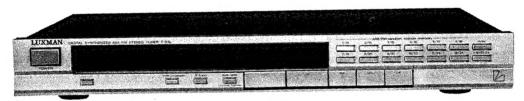


Digital Synthesized AM/FM Stereo Tuner TV JAPAN ONLY

T-117/T-117L T-03/T-03L



T-03L



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Specifications

Intermediate Frequency	10.7MHz 76.1~ 89.9MHz(JA Model Only)
1.0 Jones Mange	87.5~108MHz (SD, EK Model)
Hachla Constitutes	87.9~107.9MHz(UZ Model Only)
(Mono 3% T.H.D)	18dBf(JA, EK, UZ Model) 16dBf(SD Model Only)
Signal to Noise Ratio(Stereo)	70dR
Image Response Ratio	70dB
IF Kesponse Katio	90dB
Stereo Separation(1KHs)	U.2% 40dB
Frequency Response(30Hz ~15KHz)	±1.5dB
Quieting Sensitivity(Stereo, 50dB S/N)	45dBf
Output Level(Mono)	700mV±3dB
<am (nv)="" radio=""></am>	
Intermediate Frequency	450KHz
Frequency Kange	522~1611KHz(JA, SD, EK MOdel)
Usable Sensitivity(20dB S/N)	530~1620KHz (UZ Model Only)
Signal to Noise Ratio	42dB
Image Response Ratio(1KHz)	80dB
IF Kesponse Ratio	40dB
Prequency Response (1990)	1% 1% ±3dB
Output Level	±3dB 210mV±3dB
	210mA = 20B
<pre><lw radio=""> (SD Model Only) Intermediate Frequency</lw></pre>	450KHz
Frequency Range	450KHz 153 ~ 281KHz
Usable Sensitivity (20dB S/N)	
Image Response Ratio	95dB
IF Response Ratio	27dB
Distortion Out but level	
S/N Ratio	210my ± 3dB 42dB
<tv> (JA Model Only)</tv>	4200
Intermediate Frequency	54.25MHz
Channel Range	04.20MHZ
Hachla Consistivity (20dD C/N)	1 ~ 62ch
USABLE SENSITIVITY (SOUD S/N)	1 ~ 62ch 2ch: 20dBf
	2ch: 20dBf
	2ch:20dBf 32ch:25dBf 2ch Mono:48dB
	2ch:20dBf 32ch:25dBf 2ch Mono:48dB Stereo:45dB
	2ch:20dBf 32ch:25dBf 2ch Mono:48dB Stereo:45dB Main:48dB
	2ch: 20dBf 32ch: 25dBf 2ch Mono: 48dB Stereo: 45dB
	2ch: 20dBf 32ch: 25dBf 2ch Mono: 48dB Stereo: 45dB Main: 48dB Sub: 48dB 32ch Mono: 40dB Stereo: 40dB
	2ch: 20dBf 32ch: 25dBf 2ch Mono: 48dB Stereo: 45dB Main: 48dB Sub: 48dB 32ch Mono: 40dB 32ch Mono: 40dB Stereo: 40dB Main: 40dB
Signal to Noise Ratio Frequency Response(50Hz ~10KHz)	2ch: 20dBf 32ch: 25dBf 2ch Mono: 48dB Stereo: 45dB Main: 48dB Sub: 48dB 32ch Mono: 40dB Stereo: 40dB Main: 40dB Sub: 40dB Sub: 40dB
Prequency Response(50Hz ~10KHz) Distortion(2ch. iKHz, Stereo)	2ch: 20dBf 32ch: 25dBf 2ch Mono: 48dB Stereo: 45dB Main: 48dB Sub: 48dB 32ch Mono: 40dB Stereo: 40dB Main: 40dB Main: 40dB Sub: 40dB
Prequency Response(50Hz ~10KHz) Distortion(2ch. iKHz, Stereo)	2ch: 20dBf 32ch: 25dBf 2ch Mono: 48dB Stereo: 45dB Main: 48dB Sub: 48dB 32ch Mono: 40dB Stereo: 40dB Main: 40dB Sub: 40dB Sub: 40dB
Prequency Response(50Hz ~10KHz) Distortion(2ch. iKHz, Stereo)	2ch: 20dBf 32ch: 25dBf 2ch Mono: 48dB Stereo: 45dB Main: 48dB Sub: 48dB 32ch Mono: 40dB Stereo: 40dB Main: 40dB Sub: 40dB Main: 40dB Sub: 40dB Sub: 40dB Sub: 40dB Sub: 40dB Main-Sub: 40dB
Frequency Response(50Hz ~10KHz) Distortion(2ch. 1KHz. Stereo) Channel Separation(1KHz)	2ch: 20dBf 32ch: 25dBf 2ch Mono: 48dB Stereo: 45dB Main: 48dB Sub: 48dB 32ch Mono: 40dB Stereo: 40dB Main: 40dB Sub: 40dB
Frequency Response(50Hz ~10KHz) Distortion(2ch. 1KHz. Stereo) Channel Separation(1KHz) Output Lebel	2ch: 20dBf 32ch: 25dBf 2ch Mono: 48dB Stereo: 45dB Main: 48dB Sub: 48dB 32ch Mono: 40dB Stereo: 40dB Main: 40dB Sub: 40dB Main: 40dB Sub: 40dB Sub: 40dB Sub: 40dB Sub: 40dB Main-Sub: 40dB
Frequency Response(50Hz ~10KHz) Distortion(2ch. 1KHz. Stereo) Channel Separation(1KHz) Output Lebel	2ch:20dBf 32ch:25dBf 2ch Mono:48dB Stereo:45dB Main:48dB Sub:48dB 32ch Mono:40dB Stereo:40dB Main:40dB Stereo:40dB Nain:40dB Stereo:40dB Nain:40dB Sub:40dB Sub:40dB Sub:40dB Sub:40dB Sub:40dB Sub:40dB Sub:40dB 1.8% Stereo 25dB Main-Sub 40dB Sub-Main 45dB 700mV±3dB
Frequency Response(50Hz ~10KHz) Distortion(2ch. 1KHz. Stereo) Channel Separation(1KHz) Output Lebel	2ch:20dBf 32ch:25dBf 2ch Mono:48dB Stereo:45dB Main:48dB Sub:48dB 32ch Mono:40dB Stereo:40dB Ain:40dB Stereo:40dB Nain:40dB Nain:40dB Sub:40dB Sub:40dB Sub:40dB Sub:40dB Sub:40dB Town 45dB Nain-Sub 40dB Sub-Main 45dB T00mV±3dB
Prequency Response(50Hz ~10KHz) Distortion(2ch. iKHz. Stereo) Channel Separation(iKHz) Output Lebel GENERAL> Power Supply	2ch: 20dBf 32ch: 25dBf 2ch Mono: 48dB Stereo: 45dB Main: 48dB Sub: 48dB 32ch Mono: 40dB Stereo: 40dB Main: 40dB Sub: 40dB +1, -3dB -1.8% Stereo 25dB Main-Sub 40dB Sub-Main 45dB 700mV ± 3dB
Frequency Response(50Hz ~10KHz) Distortion(2ch. 1KHz. Stereo) Channel Separation(1KHz) Output Lebel GENERAL> Power Supply	2ch:20dBf 32ch:25dBf 2ch Mono:48dB Stereo:45dB Main:48dB Sub:48dB 32ch Mono:40dB Stereo:40dB Main:40dB Sub:40dB Nain:40dB Sub:40dB Nain:40dB Sub:40dB Sub:40dB Sub:40dB 1.8% Stereo 25dB Main-Sub 40dB Sub-Main 45dB 700mV±3dB
Prequency Response(50Hz ~10KHz) Distortion(2ch. iKHz. Stereo) Channel Separation(iKHz) Output Lebel GENERAL> Power Supply	2ch:20dBf 32ch:25dBf 32ch:25dBf 2ch Mono:48dB Stereo:45dB Main:48dB Sub:48dB 32ch Mono:40dB Stereo:40dB Main:40dB Sub:40dB -+1,-3dB
Frequency Response(50Hz ~10KHz) Distortion(2ch. 1KHz. Stereo) Channel Separation(1KHz) Output Lebel GENERAL> Power Supply	2ch:20dBf 32ch:25dBf 2ch Mono:48dB Stereo:45dB Main:48dB Sub:48dB 32ch Mono:40dB Stereo:40dB Main:40dB Sub:40dB
Frequency Response(50Hz ~10KHz) Distortion(2ch. 1KHz. Stereo) Channel Separation(1KHz) Output Lebel GENERAL> Power Supply	2ch:20dBf 32ch:25dBf 2ch Mono:48dB Stereo:45dB Main:48dB Sub:48dB 32ch Mono:40dB Sub:48dB 32ch Mono:40dB Stereo:40dB Main:40dB Sub:40dB
Frequency Response(50Hz ~10KHz) Distortion(2ch. 1KHz. Stereo) Channel Separation(1KHz) Output Lebel GENERAL> Power Supply	2ch: 20dBf 32ch: 25dBf 2ch Mono: 48dB Stereo: 45dB Main: 48dB Sub: 48dB 32ch Mono: 40dB Stereo: 40dB Main: 40dB Sub: 40dB
Frequency Response(50Hz ~10KHz) Distortion(2ch. 1KHz. Stereo) Channel Separation(1KHz) Output Lebel GENERAL> Power Supply	2ch:20dBf 32ch:25dBf 32ch:25dBf 2ch Mono:48dB Stereo:45dB Main:48dB Sub:48dB 32ch Mono:40dB Sub:48dB 32ch Mono:40dB Stereo:40dB Main:40dB Sub:40dB +1,-3dB -1.8% Stereo 25dB Main-Sub 40dB Sub-Main 45dB 700mV±3dB 100V, 50/60Hz(JA Model Only) 220V, 50Hz(SD, EK Model) 120V, 60Hz(UZ Model Only) 15W 241C's 59 Transistors, 8 FET's, 73 Diodes, 10 Zener Diodes (JA Model Only) 211C's 57 Transistors, 6 FET's, 62 Diodes, 10 Zener Diodes (SD Model Only) 211C's 49 Transistors, 3 FET's, 59 Diodes, 10 Zener Diodes
Frequency Response(50Hz ~10KHz) Distortion(2ch. 1KHz. Stereo) Channel Separation(1KHz) Output Lebel GENERAL> Power Supply	2ch: 20dBf 32ch: 25dBf 2ch Mono: 48dB Stereo: 45dB Main: 48dB Sub: 48dB 32ch Mono: 40dB Sub: 48dB 32ch Mono: 40dB Stereo: 40dB Main: 40dB Sub: 40dB
Frequency Response(50Hz ~10KHz) Distortion(2ch. 1KHz. Stereo) Channel Separation(1KHz) Output Lebel GENERAL> Power Supply	2ch:20dBf 32ch:25dBf 2ch Mono:48dB Stereo:45dB Main:48dB Sub:48dB 32ch Mono:40dB Sub:48dB 32ch Mono:40dB Stereo:40dB Main:40dB Sub:40dB
Frequency Response(50Hz ~10KHz) Distortion(2ch. 1KHz. Stereo) Channel Separation(1KHz) Output Lebel GENERAL> Power Supply Power Consumption Semiconductors	2ch: 20dBf 32ch: 25dBf 2ch Mono: 48dB Stereo: 45dB Main: 48dB Sub: 48dB 32ch Mono: 40dB Sub: 48dB 32ch Mono: 40dB Stereo: 40dB Main: 40dB Sub: 40dB

Parts Locations and Disassembly Instructions

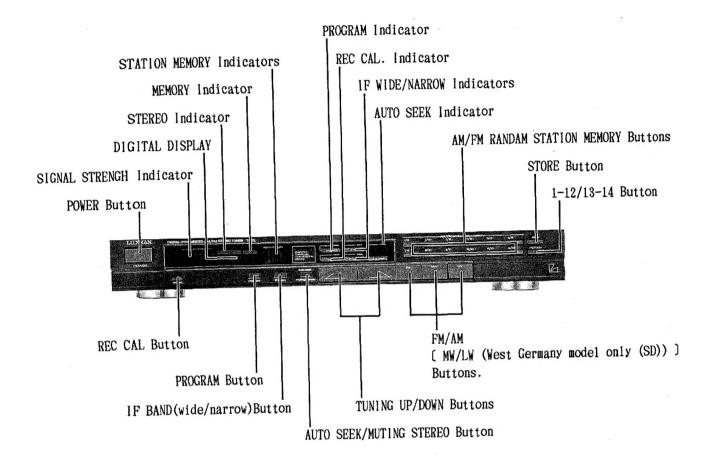


Figure 1

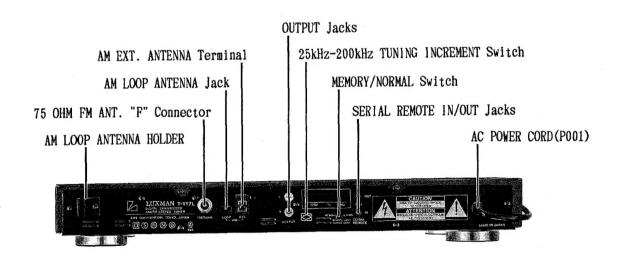
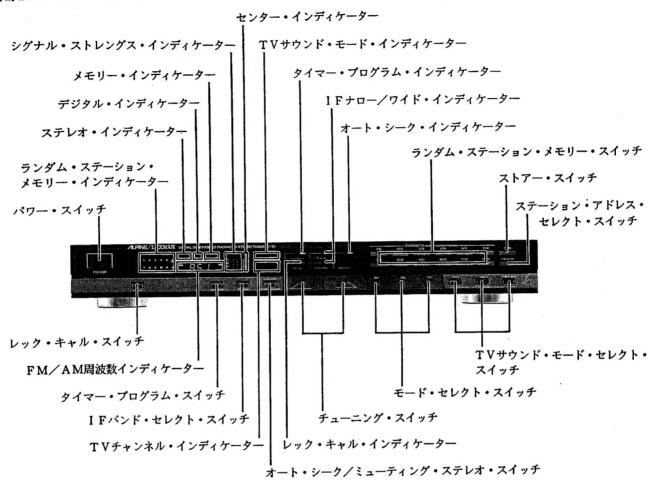
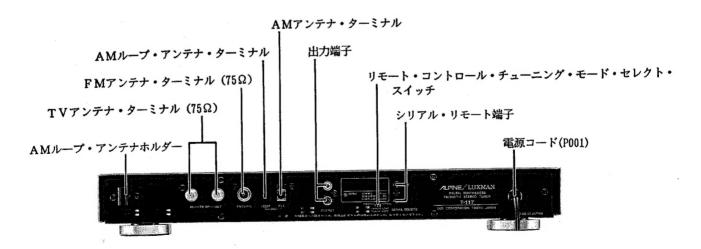


Figure 2

• Japanese model only(JA)



< 3 図>



< 4 図>

1. Removal of Top Cover

- Remove six screws marked "O" as shown in Figure 5 and 6.
- (2) Pull out the Top cover in the direction of the arrow as shown in Figure 3.

1. 上蓋の外し方

- (1) 6本のネジ"○"を外します。 (5,6図参照)
- (2) 矢印の方向に引き上げれば、上蓋は外すことができます。(3 図参照)

2. Removal of Main P.C. Board

- (1) After removal of Top cover, remove eleven screws marked "※" as shown in Figure 6 and 7.
- (2) Disconnect all wires from the Main P.C. Board.
- (3) Main P.C. Board can be removed by pulling it forward.

2. メイン基板の外し方

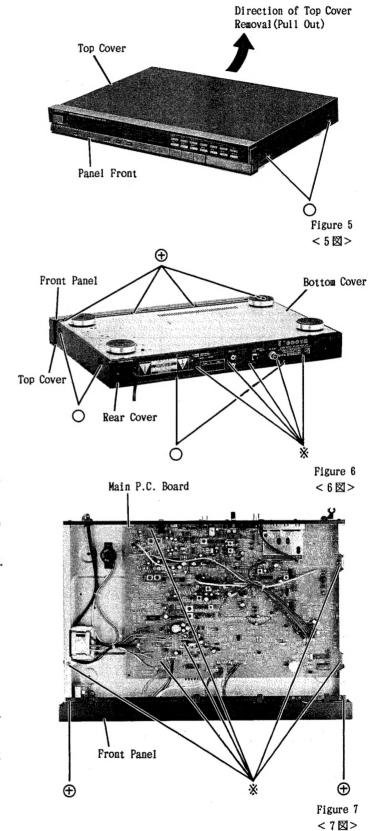
- (1) 上蓋を外してから11本のネジ *※* を外します。 (6,7図参照)
- (2) メイン基板から出ているすべてのリードを外します。
- (3) メイン基板を手前に引いて外します。

3. Removal of Front Panel

- Remove six screws marked "⊕" as shown in Figure 6 and 7.
- (2) Front panel can be removed by pulling it forward. But when the panel is engaged tightly, pull the panel end little by little, and the panel will be removed easily.

3. フロント・パネルの外し方

- (1) 上蓋を外してから、6本のネジ *⊕* を外します。(6,7図参照)
- (2) フロント・パネルを手前に引いて外します。パネルを 外すときパネルはセットにしっかりと取りつけてあり ますので、パネルの両端を持って少しづつ引くように して外してください。



4. Removal of Front Frame

- After removal of Front Panel, remove eight hooks(a) as shown in Figure 8 and 9.
- (2) Unplug all the connectors from the display P.C. board and switch P.C. board. The front frame will be removed together with the P.C. boards.

4. フロント・フレームの外し方

- (1) フロント・パネルを外してから、8個のホック(a) を 外します。(8,9図参照)
- (2) ディスプレイ基板,スイッチ基板から出ている全ての コネクターを外しますと,各基板と一緒にフロント・ フレームは外れます。

5. Removal of Display P.C. Board

- After removal of Front Frame, remove three screws marked " ◎ " as shown in Figure 10.
- (2) Remove three hooks(b) as shown in Figure 10.

5. ディスプレイ基板の外し方

- (1) フロント・パネルを外してから、3本のネジ *◎* を 外します。 (10図参照)
- (2) 3 個のツメ(b) を外しますと、ディスプレイ基板は 外れます。

6. Removal of Switch P.C. Board

- (1) After removal of Front Frame, remove three screws marked "□" as shown in Figure 10.
- (2) Remove eight hooks(c) as shown in Figure 10.

6. スイッチ基板の外し方

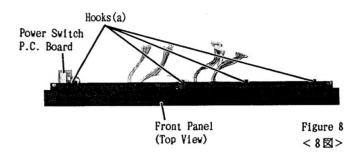
- (1) フロント・フレームを外してから、3本のネジ "□" を外します。(10図参照)
- (2) 8 個のツメ(c) を外しますと、スイッチ基板は外れま す。

7. Removal of Power Switch P.C. Board

(1) After removal of Front Frame, remove two screws marked "O" as shown in Figure 10.

7. パワースイッチ基板の外し方

(1) フロントフレームを外してから、2本のネジ "回" を 外しますと、パワースイッチ基板は外れます。 (10図参照)



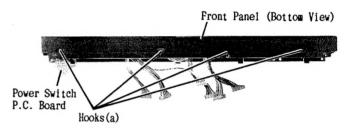
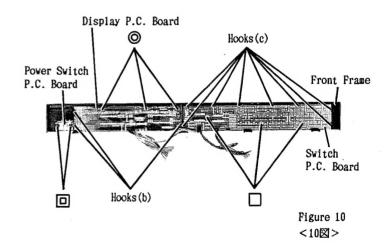
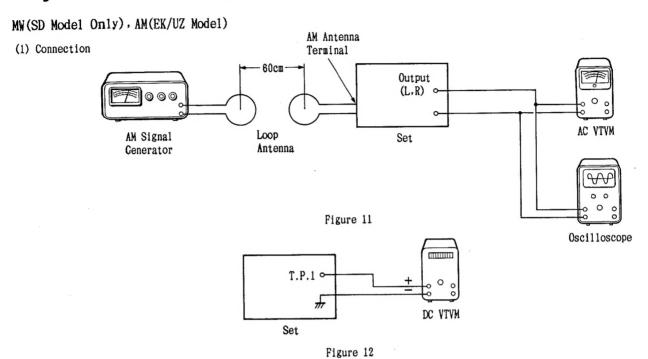


Figure 9 < 9図>



Adjustment Procedures



(2) Control Setting

Power Switch-----ON
FM/AM/(MW/LW) Switch----AM(MW)
others-----OFF

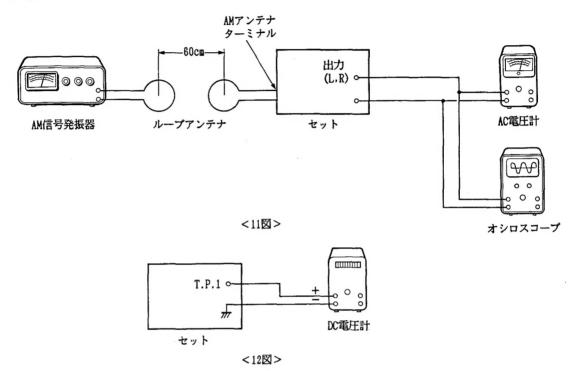
(3) Adjustment (EK.SD.UZ Model)

step	Description	Signal Generator	Dial Control	Adjust Points	Test Points	Connection	Remarks
1	Vf		603KHz(EK.SD) 600KHz(UZ)	L306	TP1	Figure 12	Adjust Vf to 2.2±0.1V at L306
•	Adjustment		1404KHz (EK.SD) VC304 1400KHz (UZ)			Figure 12	Adjust Vf to 7.1±0.1V at VC304
2	Sensitivity	603KHz(EK.SD) 600KHz(UZ) 60dBm (400Hz.30%)	603KHz(EK.SD) 600KHz(UZ)	L302	Output	Figure 11	Adjust the output to
	Adjustment .	1404KHz (EK·SD) 1400KHz (UZ) 60dBm (400Hz.30%)	1404KHz (EK.SD) 1400KHz (UZ)	VC302	(L.R)	rigule 11	Adjust the output to maximum at VC304
3	SIG IND & MUTE level Adjustment	1008KHz (EK.SD) 1000KHz (UZ) 55dBm (400Hz.30%)	1008KHz (EK.SD) 1000KHz (UZ)	YR302 YR301 YR501	Output (L.R)	Figure 11	Set VR501 to the position which is *shightly turned counterclockwise from horizontal. Adjust the level to 55dBm ± 12dB at VR302 with the MUTE switch set to ON. Adjust the level to 75 +2010 dBm at both VR501 and VR301 so that one or two elements of SIG IND light up. Note:For the section marked with *. refer to VR501 shown in Fig. 21.

調整方法

AM(JA Model Only)





(2) スイッチ類のセット位置

電源スイッチ・・・・・・ON FM/AM/TVスイッチ・・・・・AM その他・・・・・・OFF

(3) 調整方法 (JAモデル)

順序	調整項目	発振器周波数	受信周波数	調整個所	テスト ポイント	接続図	調 整 方 法
	W. F. A. Sponskie		603KHz	L306	T.P.1	12⊠	L306で 2.2±0.1Vに調整
1	Vf調整		1404KHz	VC304	1.7.1	12⊠	VC304 で 7.1±0.1Vに調整
	and other correlated	603KHz 60dBm (400Hz.30%)	603KHz	L302	出力	1.1577	L302で出力最大に調整
2	感度調整	1404KHz 60dBm (400Hz.30%)	1404KHz	VC302	(L,R)	11⊠	VC302 で出力最大に調整
3	SIG. IND & MUTE レベル調整	1008KHz 55dBm (400Hz.30%)	1008KHz	VR302 VR301 VR501	出力 (L.R)	11⊠	VR501 を *水平より少し反時計 方向よりに設定し、MUTE-SN ON 状態で VR302で 55dBm±12dBに 調整, この時 SIG.1NDが1~2 点灯する様 VR301とVR501 で 75 +2010dBm に調整 (注) * 印は21図のVR501 を参照願い ます。

LW(SD Model Only)

(1) Connection

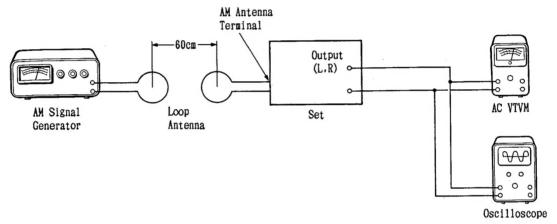


Figure 13

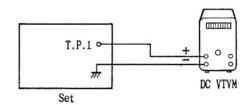


Figure 14

(2) Control Setting

Power Switch.	ON
FM/AM/(MW/LW)	SwitchLW
others	OFF

(3) Adjustment

step	Description	Signal Generator	Dial Control	Adjust Points	Test Points	Connection	Remarks
1	Vf		180KHz	L305	TP1	Figure 14	Adjust Vf to 2.4±0.1V at L305
1	Adjustment		261KHz	VC303	***	Figure 14	Adjust Vf to 5.3±0.1V at VC303
2	Sensitivity	180KHz.90dBm (400Hz.30%)	180KHz	L301	Output	Figure 13	Adjust the output to maximum at L301
	Adjustment	261KHz.90dBm (400Hz.30%)	261KHz	VC301	(L.R)	Piguio 10	Adjust the output to maximum at VC301

FM(SD/EK/UZ Mode1)

(1) Dummy Antenna

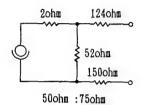


Figure 15

(2) Connector

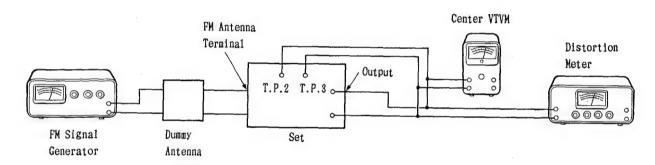


Figure 16

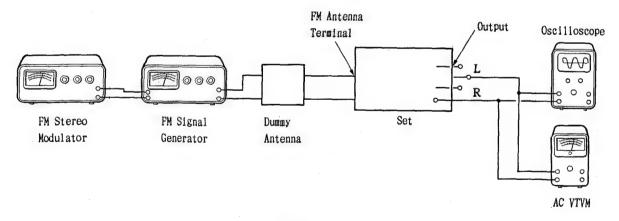


Figure 17

(3) Control Setting

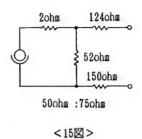
Power Switch ON
FM/AM/(MW/LW) SwitchFM
othersOFF

(4) Adjustment(EK.SD.UZ model)

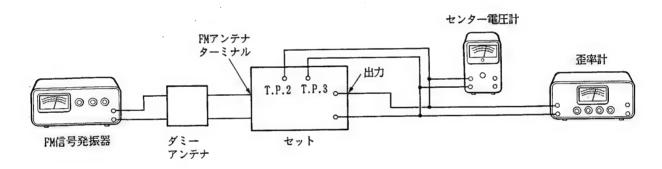
step	Description	Signal Generator	Dial Control	Adjust Points	Test Points	Connection	Remarks		
1	IF Adjustment	98.1MHz 65dBf Non Modulation	98.1MHz	L105	T.P.2 T.P.3	Figure 16	Adjust the level to 0±20mV at L105		
2 3 4 5 6 7 7 8 8 9	Mono Distortion Adjustment	98.1MHz 36dBf 1KHz,75KHz Deviation	98.1MHz	VR204 L206 L205 L101 L208 L209	Output (L.R)	Figure 18	Turn VR202 fully clockwise and VR201 fully counterclockwise. Adjust the output to 700mV at VR404. Turn VR204 fully counterclockwise and turn it clockwise little by little untic the distortion will lower twice. AT this position adjust the distortion to minimum. Readjust VR404 to 700mV and adjust the distortion to minimum at L206.L205.L101.L208 and L209 in this order.		
3	STEREO Distortion Adjustment	98.1MHz 36dBf 1KHz.75KHz Deviation	98.1MHz	L104	Output (L.R)	Figure 18	Adjust the dislortion to minimum at L104.		
4	Pulse Detectiont Output Adjustment	98.1MHz 36dBf 1KHz.75KHz Deviation	98.1MHz	VR404	Output (L,R)	Figure 16	Adjust the output to 700mV +0.5dB at VR404 with the REC CAL switch set to ON.		
5	Output 1KHz.75KHz Adjustment Deviation PLL 98.1MHz Detection 36dBf		98.1MHz	VR201 VR203 L202	Output (L.R) Figure 16		Turn VR201 fully clockwise. Adjust the output to 700mV +0.5dB at VR203. Adjust the distortion to minimum at L202.		
6	PUL/pulse Detection Output Switching Level Adjustment	98.1MHz 36dBf 1KHz.75KHz Deviation	98.1MHz	VR201	Output (L.R)	Figure 16	Adjust at YR201 so that the output level is varied from 700mV ±0.5dB to 700mV +1.5dB.		
7	PLL Detection Output Adjustment	98.1MHz 38dBf 1KHz.75KHz Deviation	98.1MHz	VR203	Output (L.R)	Figure 18	Adjust the output to 700mV +1.5dB at VR203 with the REC CAL switch set to ON.		
8	SIC IND Light Adjustment	98.1MHz 19dBf (EK.UZ) 22dBf (SD)	98.1MHz	VR103 VR102	Output (L.R)	Figure 16	Turn VR103 fully counterclockwire. Adjust at VR102 so that the first element of SIG IND lights up		
9	if NARROW Again Adjustment	98.1MHz 66dBf 1KHz.75KHz Deviation C L(R) signal	98.1MHz	VR101	Output (L.R)	Figure 16	Adjust at VR101 so that SIG IND lights up, with the NARROW switch set to ON.		
10	Separation Adjustment	98.1MHz 66dBf 1KHz.75KHz Deviation L(R) signal	98.1MHz	VR401 VC401 VR402 VC402	Output (L.R)	Figure 17	Receive an L-channel to minimum at VR401 and VC401. (Adjust the waveform leaking to L-channel to minimum at VR402 and VC402.)		

FM(JA Model Only)

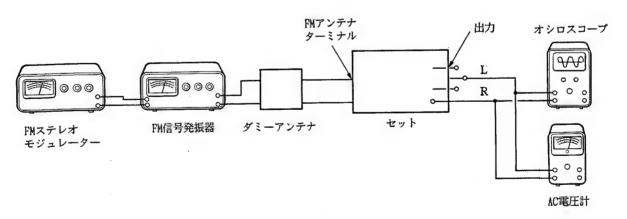
(1) ダミーアンテナ



(2) 接続図



<16図>



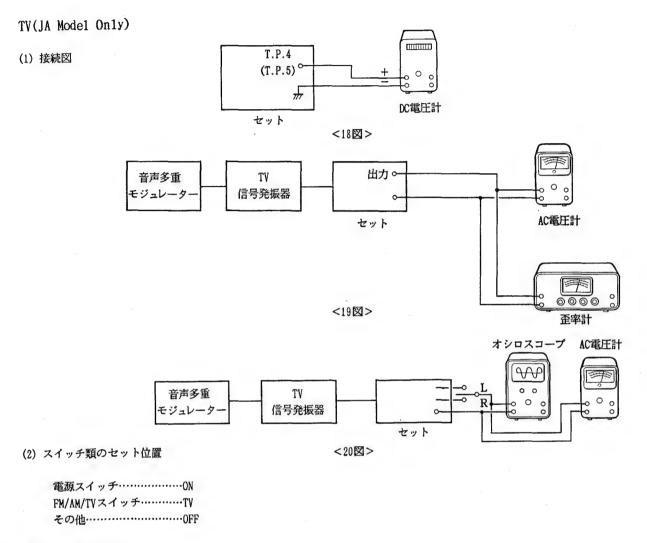
<17図>

(3) スイッチ類のセット位置

電源スイッチON
FM/AM/TVスイッチ·····FM
その他·····OFF

(4) 調整方法 (JAモデル)

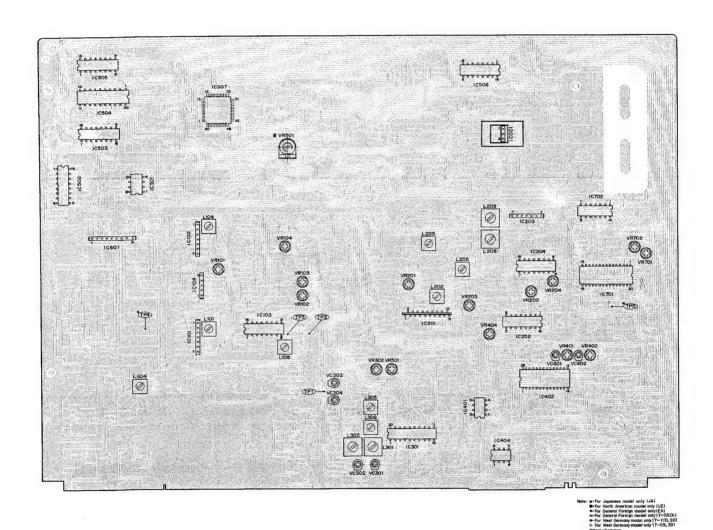
順序	調整項目	発振器周波数	受信周波数	調整個所	テスト ポイント	接続図	調 整 方 法		
1	[F調整	84MHz 85dBf Non Modulation	84MHz	L105	T.P.2 T.P.3	16🖾	L105で 0 ±20mVに調整		
2	モノラル歪調整	84MHz 38dBf 84MHz 1KHz.75KHz Deviation		VR204 L206 L205 L101 L208 L209	出力 (L.R)	16⊠	VR202 を時計方向, VR201 を 反時計方向に廻し切り, VR404 で 出力を700mV に設定し, VR204 を 反時計方向に廻し切り, 少しずつ 戻し歪が2度目に小さくなる所で 最小にする。VR404 を再度700mV に設定し, L206.L205.L101.L208, L209の順で歪を最小にする。		
3	ステレオ歪調整	84MHz 38dBf 1KHz.75KHz Deviation	84MHz	L104	出力 (L.R)	16🖾	L104で歪を最小にする。		
4	84MHz バルス検波 36dBf		84MHz	VR404	出力 (L.R)	16図	レック・キャル・スイッチ-ON YR404 で700mV+1.5dB に調整		
5	84MHz P11 統治 36dRf		84MHz	VR201 VR203 L202	出力 (L.R)	16図	VR201 を時計方向に廻し切り, VR203 で出力を700mV+0.5dB に 調整し, L202で歪を最小にする。		
6	PLL/パルス 検波出力 切換レベル調整	84MHz 36dBf 1KHz.75KHz Deviation	84MHz	VR201	出力 (L.R)	16図	VR201 で700mV+0.5dB から 700mV+1.5dB に変化する様調整		
7	PLL 検波 出力調整	84MHz 36dBf 1KHz.75KHz Deviation	84MHz	VR203	出力 (L.R)	16⊠	レック・キャル・スイッチ-ON VR203 で700mV+1.5dB に調整		
8	SIC IND 点灯調整	84MHz 19dBf 1KHz.75KHz Deviation	84MHz	VR103 VR102	出力 (L.R)	16図	YR103 を反時計方向に廻し切り, YR102 でシグナル・インディケー ター第1灯が点灯する様調整		
9 IF. NARROW 19dBf 1KHz.75KHz Deviation		19dBf 1KHz.75KHz	84MHz	VR101	出力 (L.R)	16図	NARROW SW-ON VR101 でシグナル・インディケー ターが点灯する様調整		
10	セパレーション 調 <u>整</u>	84MHz 60dBf 1KHz.75KHz Deviation L(R)信号	84MHz	VR401 VC401 VR402 VC402	出力 (L.R)	17図	Lchを受信し、Rchへのもれ波形 をVR401.VC401 で最小にする。 (Rchも同様にVR402.VC402 で 最小にする)		



(3) 調整方法 (JAモデル)

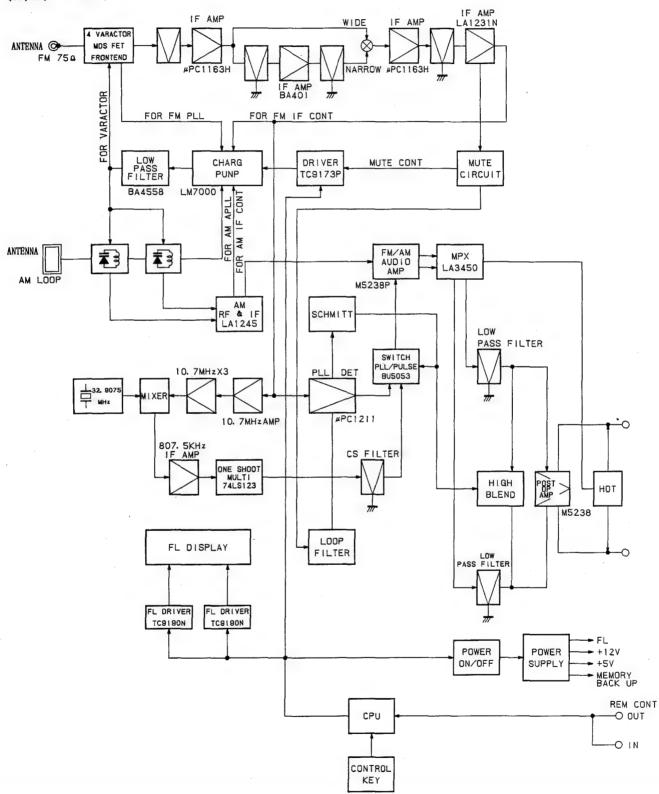
順序	調整項目	発振器周波数	受信周波数	調整個所	テスト ポイント	接続図	調整方法
1	AGC 電圧調整	2ch 101.75MHz 75dB μ 1KHz.25KHz Deviation	2ch 101.75MHz	VR104	T.P.4	18🖾	VR104 で 4±1.0Vに調整
2	感度調整	2ch 101.75MHz 20dBμ Non Modulation	2ch 101.75MHz	L604	出力	19⊠	L604で歪を最小に調整
3	PiLTER調整	2ch 101.75MHz 64dB <i>μ</i> ステレオ	2ch 101.75MHz	VR701	T.P.5	18図	VR701 で電圧を最大に調整
4	セパレーション	2ch 101.75MHz L(R)信号 1KHz.25KHz Deviation	2ch 101.75MHz	VR702	出力	20🛛	VR702 でL→R, R→Lの もれが同一になる様調整

Adjustment Locations

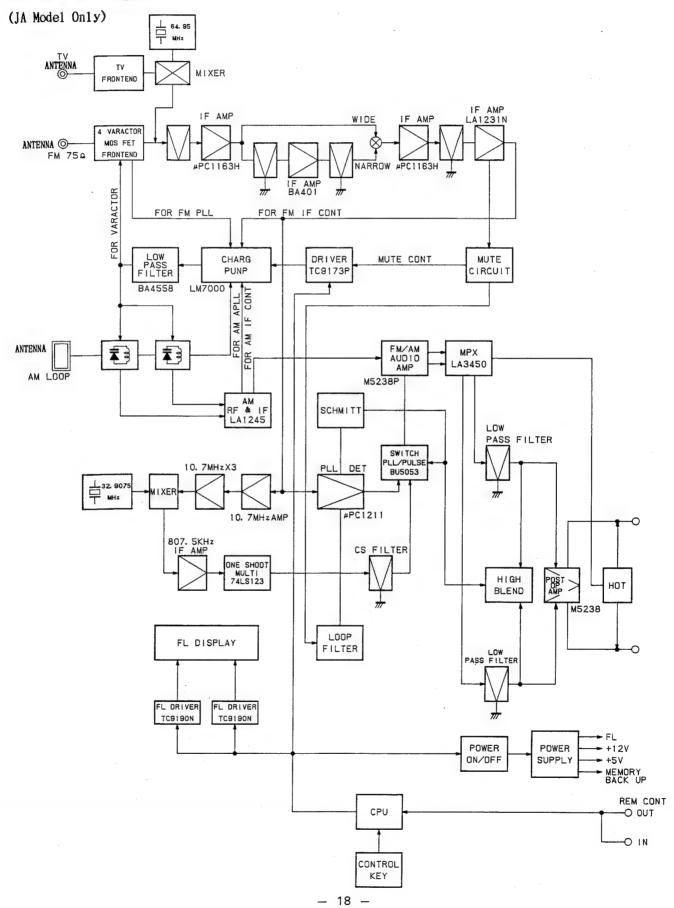


Block Diagram

(SD/EK/UZ Mode1)

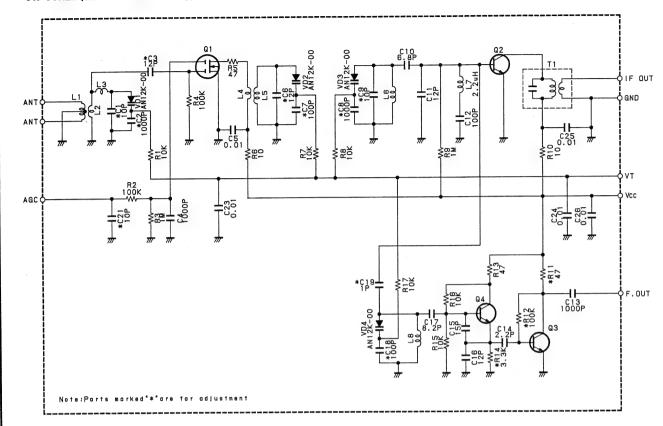


Block Diagram

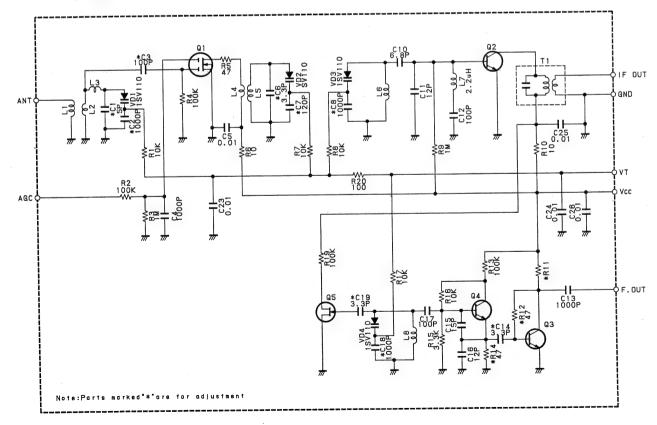


FM Tuner Schematic Diagram

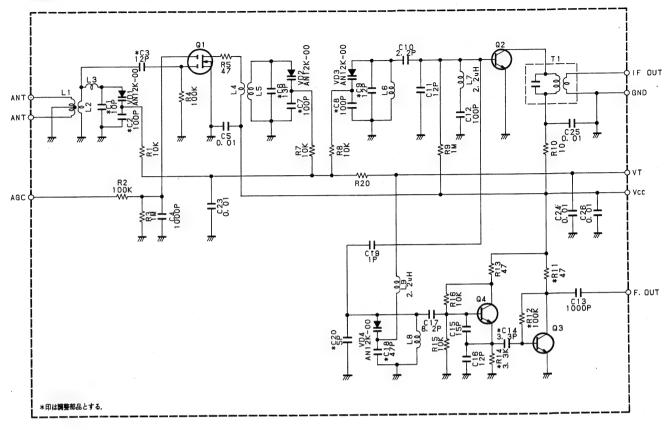
FM TUNER(EK, UZ Model only)



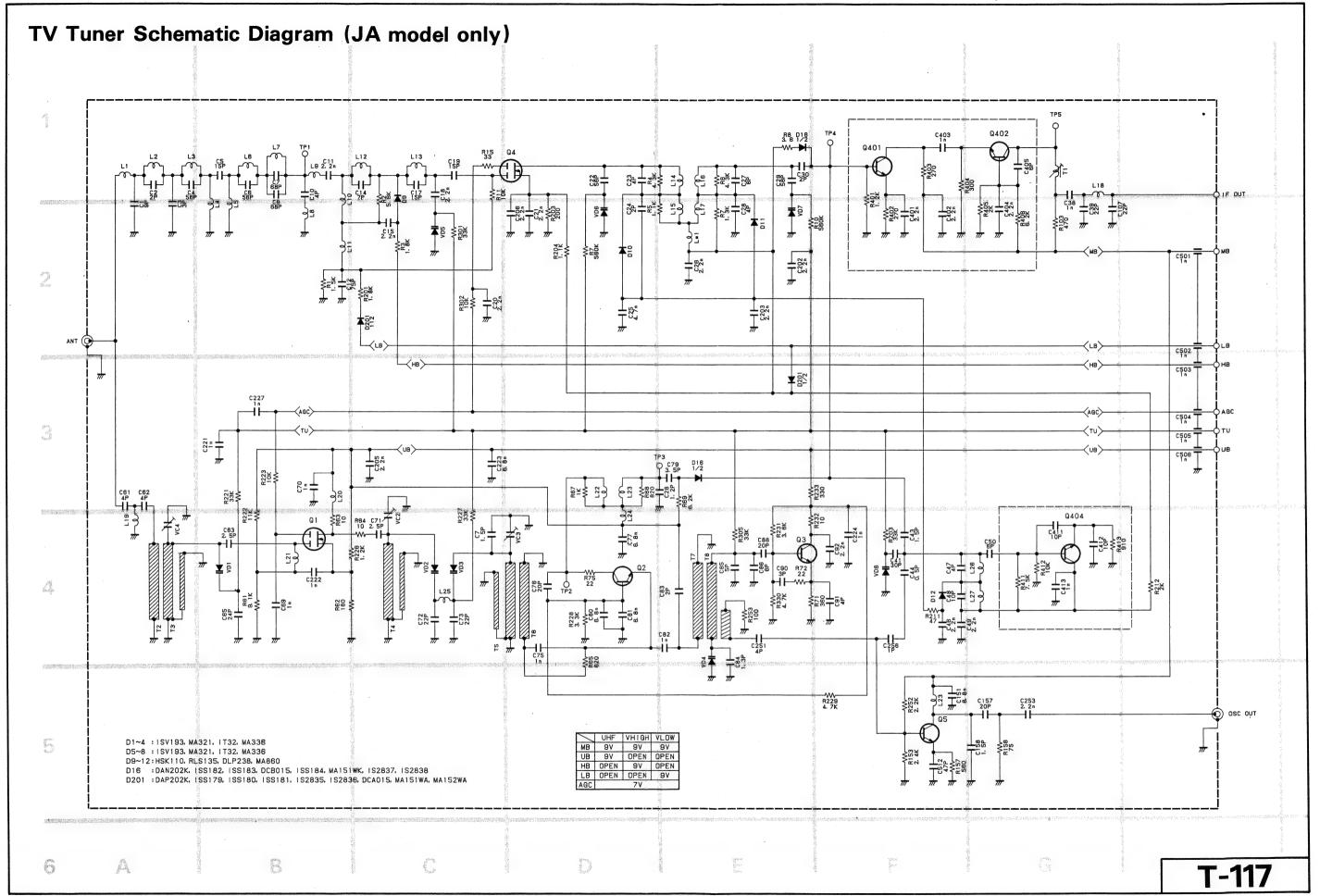
FM TUNER(SD Model only)

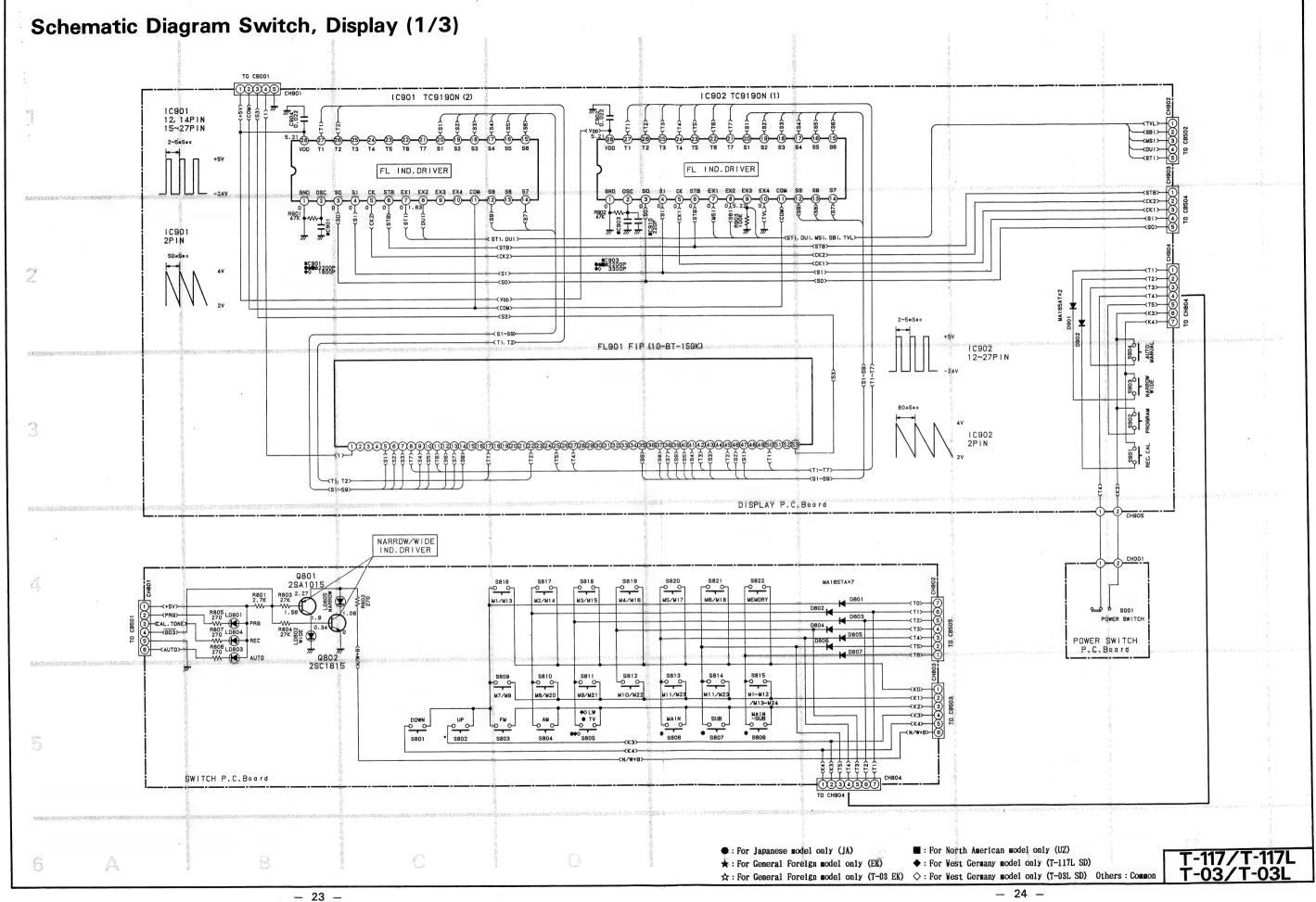


FM チューナー(JA Model only)



T-117/T-117L T-03/T-03L





Terminal Voltage

						т			a 1	10	11	12	13	14	1.5	16	1 7	1 8	1 9	2 0
	1	2	3	-	- 3 -	-		•		1.0									-	
1C001	19.18V	OV	12.02V																	
IC101	8.17V	8.177	0.33Y	OV	1.097	2.717	2.71V													
IC102	8.18V	8.18V	0.32V	OV	1.08V	2.69V	2.69V									0.050/01/				
IC108	2.717	2.71V	0.44V	OV .	OV	-	5.66¥	5.62V	5.63V	5.64V	8.87V	4.7V(Olnput) OV(65Input)	1.1V(01nput) 5.65V(651nput)	OV	4.94V(01 nput) 0.04V(65 i nput)	0.9V(651 nput)				
IC104	1.387	1.38V	OV	8.37V	8.89V															
IC201	8.84V	5.83V	.48V(01 nput) .49V(651 nput)	0.02Y	2.28V	5.91V	2.28V	2.27V	OY	OV	0.06V	5.23V	5.23V	5.23V	5.28V	2.87V	2.757	2.84V	5.11V	
IC202	_	_	OV	0.027	0.03V	OV	OY	04	8.86V	8.86Y	8.86V	_			-	8.86V				
IC208	1.967	1.977	7.13V	OY	7.85V	1.96V	1.977													
IC204	OV	_	2.49V	_	1.84V	0.017	1.96Y	ΟV	0¥	1.17	5.28V	_	_	_	_	5.28V				
IC801	5.54V	2.15Y	2.72V	VO	5.68Y	2.06V	7.72 Y	7.72 Y	2.787	5.27¥	0.69Y	OV	2.2V	9.18V	1.33V	0.0V (0Input) 4.28V (100Input)	1.82V (Oinput) 2.98V (100input)	5.63Y	5.6¥	2.87¥
IC404	4.84V	4.84V	4.84V	OY	4.84V	4.84V	4.84Y	9.72¥												
IC501	9.947	1.397	1.38V	OY	1.38V	3.36V	1.31V	26.52Y												
IC502	ΟV	OV	VO	ΟY	5.18¥	0.21V	0.59Y	OV	3.84Y	_	2.02V	VO	2.02V	5.18¥	_	OV				
IC508	OV	0.85V	0.34V	0.23V	OV	0.75V	0.747	0.75¥	0.02Y(U) 5.02Y(VL.VH)	0.02V(VH) 5.02V(VL.U)	0.02V(VL) 5.02V(VH-U)	٧O	OV	OV	OY	5.18V	1			
IC504	1.447	0.027	0.02V	0.02Y	0.02Y	5.18V	_	9.43V	0.04Y	0.037	0.06Y	0.067	0.06V	2.43Y	5.19V	5.19V		1.387	V	1.417
IC505	OV	3.85V	0.02V	0.02Y	0.08Y	0.03Y	0.03Y	5.1 8V	4.19V	4.61V	4.42Y	GY	OY	OV	θ¥	5.19V				
IC506	_	_	OV	OV	OY	GV	OV	VO	5.24Y	OY	OV	_	_			5.19V				
IC601	0.02V (VL) 5.13V(etc.)	0.02V (VH) 5.18V(etc.)	0.02V (U) 5.13V(etc.)	9.81V	VO	8.28V (U) 0V (etc.)	8.28V (VH) OV (etc.)	8.28V (VL) 0V (etc.)	8.46V				A AON (84 CS)							-
1C702	0.5V(PM ST) 6.02V(etc.)	6.02V(PM ST)		6.02V(H+S) 0V (etc.)	4.12V(Manual) 0.33V(Auto)	0.17V(Manual) 6.06V(Auto)	OV	8.02V(Sub) 0V (etc.)	0.62V(Sub) 5.81V(etc.)	6.02V(Main) 0V (etc.)	0.62V(Main) 5.81V(etc.)	6.07Y(TV ST) 0V (etc.)	0.62V(TV ST) 6.07V(etc.)	6.087		<u></u>				

																1.6	1.7	1.9	1 0	2.0
	T 1	2	3	4	5	6	7	8	9	10	11	1.2	1 3	14	1.5	1.0	11	1.0	1.5	
ļ	5.56V	3.27V	2.62V	2.62V	2.62V	2.59V	2.64V	2.59V	2.63V	3.63V(Manual) 0.4V (Auto)	2.28V	4.677	0.5V (ST) 5.95V (Mono)	YO	2.26V	5.67Y	5.68V	5.64V	5.64V	5.63V
1C402	2 1	2 2	2 3	2 4	2 5	2 6	2 7	2 8												
	5.63Y	5.65V	5.81V	5.61Y	VO	0.38V	5.64¥	9.9 ^{2V}												

																			1.0	0.0
	T 1	9	2	1	5	6	7	8	9	10	1.1	1.2	1. 13	14	1.5	1 6	1 17	1.8	19	20
	9.01V (TV)	2.14V	2.14V	0.68V	2.05V	3.53V	8.55V	_	_	3.52V	8.52V	0.62V (ST) 6.07V(etc.)	0.62V(Main) 5.81V(etc.)	0.62V(Sub) 5.81V(etc.)	OV	2.39V		0.42V(Main) 0.97V(etc.)	0.42Y(Sub) 0.97Y(etc.)	0.17V(Manual) 6.06V(Auto)
10701	2 1	2 2	2 3	2 4	2 5	2 6	2 7	2 8	2 9	3 0										
1	8 05V	3 06V	3.06V	2.38V	2.33V	8.45V	2.01V	_	3.05V											

	1	2	3	4	5	6	7	8	9	10	11	1 2	1 3	14	1.5	1 6	17	18	19	20
		_	_	_	_	_	_	_	_	_	_	-	_	-	_	_	_			
1	2.1	2 2	2 3	2 4	2 5	2 6	2 7	2 8	2 9	3 0	3 1	3 2	3 3	3 4	3 5	3 6	3 7	3 8	3 9	4 0
1C507	_	_	5.17V	0.02Y	0.02Y	0.02Y	0.02Y	0.39	0.39	0.62Y	0.03Y	4.8Y	4.6V	4.99V	OV	2.39V	OV.	5.42V	5.02Y	0.087
1	41	4 2	4 3	44	4.5	4.6	47	4 8	4 9	5 0	5 1	5 2	5 3	5 4	5.5	5 6	5.7	5 8	5 9	5 0
	5.17V	OV	OV	OY	OY	5.22V	5.22V	5.75Y	OY	2.2Y	1.787	OV	5.22V	-	-	_				

	1	2	3	4	5	6	7	8	9	1 0
FE101	OV	OV	4V(0 IN) 0V(65 IN)	9V	B.42Y~20.73Y	VO	VO	9.83V	VO	2.58V

	1 1	2	3	4	5	6	7	8
PE601	OV	9.81V(TV)		8.28Y(VL) OV (etc.)	8.82V	8.28V(VH) 0V (etc.)	2V~24V (Vf)	8.28V(U) OV (etc.)

NOTES:

- 1. All resistance values are in ohms. K-1.000
- 2. All capacitance values are in microfarads. P= $\frac{1}{1.000.000}$
- 3. All the diodes without indication are MA165TA.
- 4. When replacing varactor diodes, VD301~VD304 always use a diode with the same ranc.

Voltage Measuring Conditions

· Power Supply Voltage

: AC 100V, 50/60Hz (JA model only) AC 120V, 60Hz (UZ model only)

AC 200V. 50Hz (EK. SD model only) : Digital Multi Voltmeter

Measuring Meter

· Measuring point reference : Between Ground

: No Signal FM 84MHz Measuring Conditions

AM 1.008KHz (others)

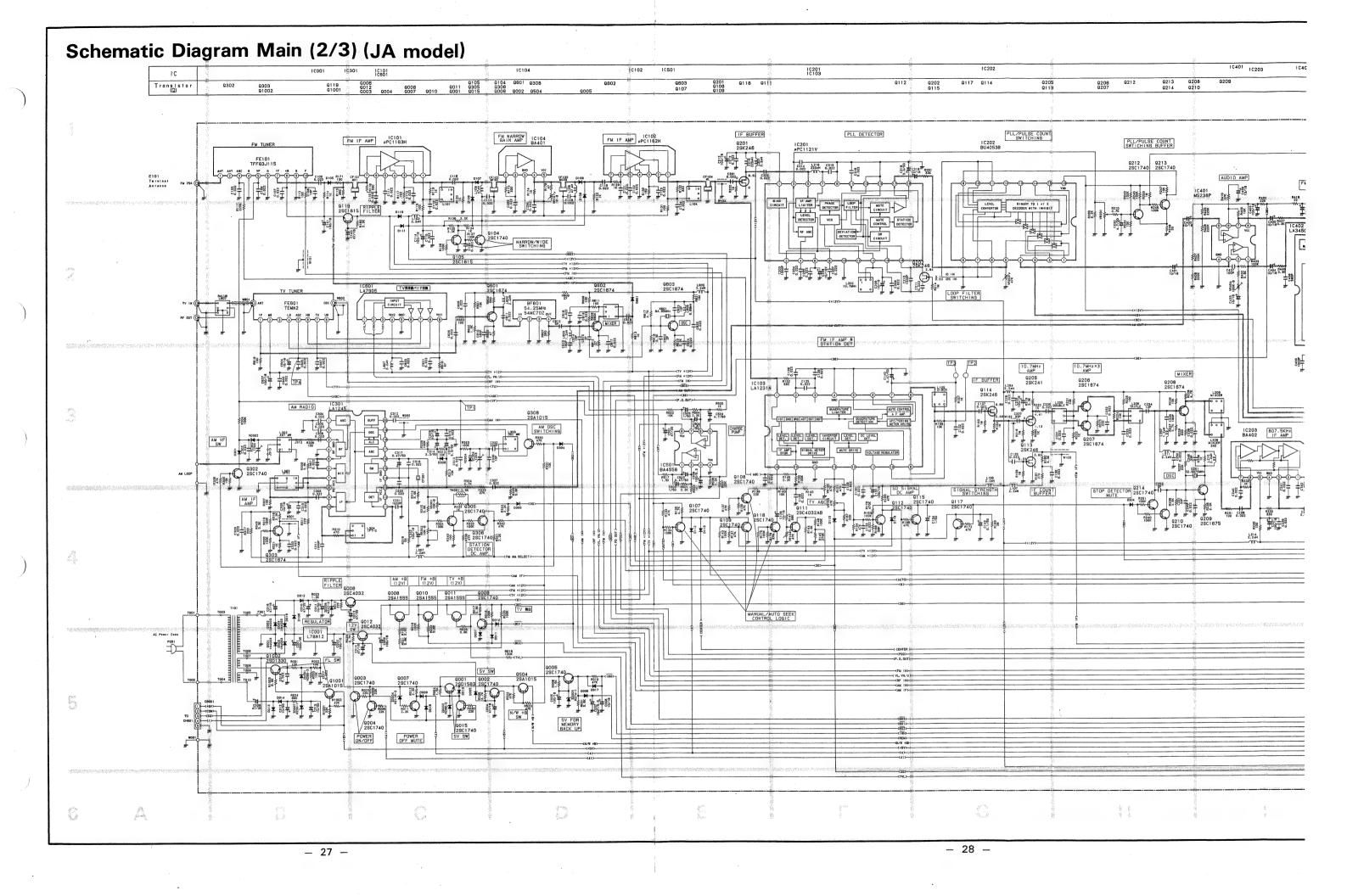
1.000KHz (UZ model only) TV 2ch

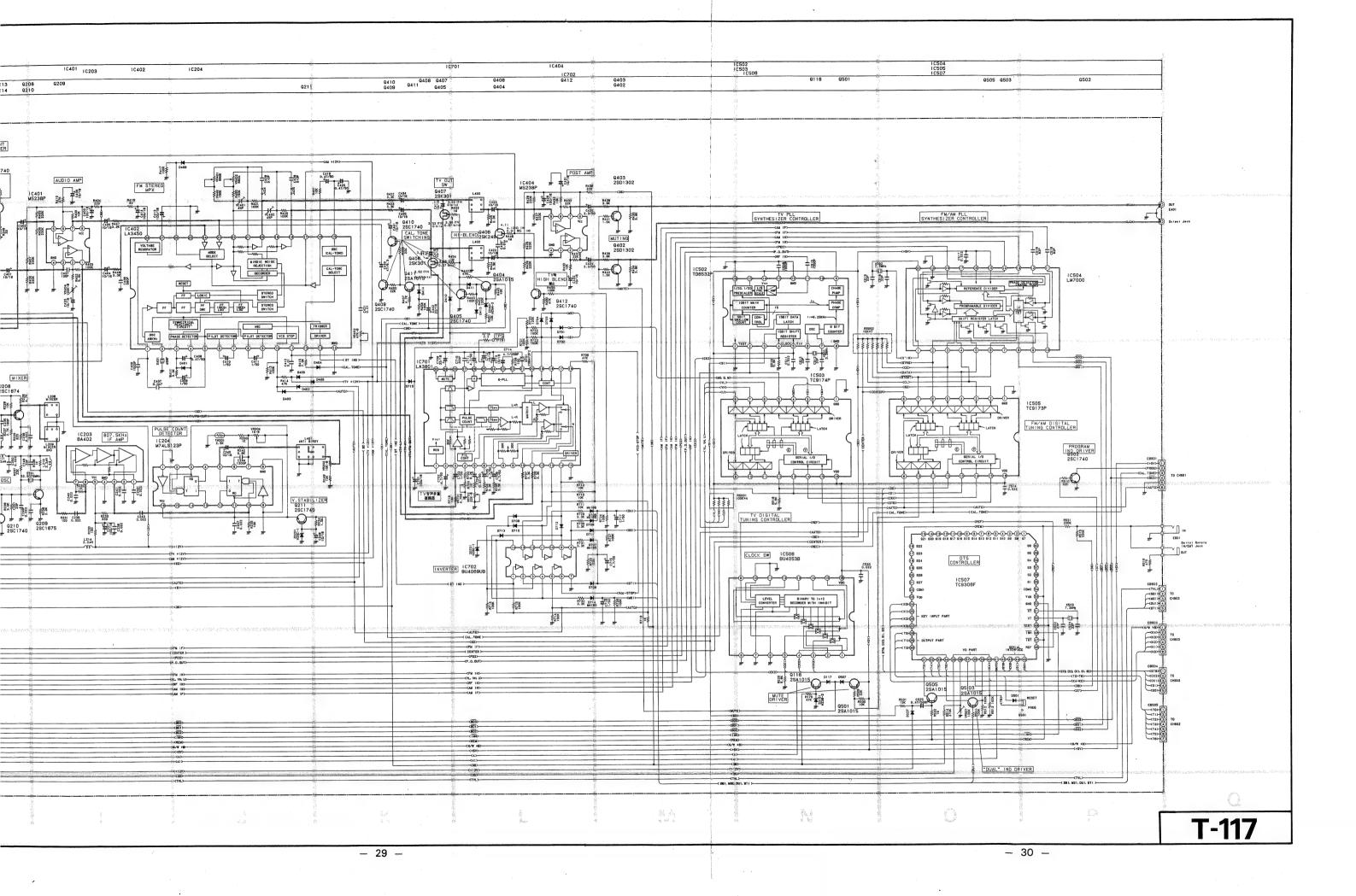
% 0 Input → 0 dB μ Input (No Signal) 65 Input → 65dB μ Input VL→VHF Low (1 ~ 3 cH)

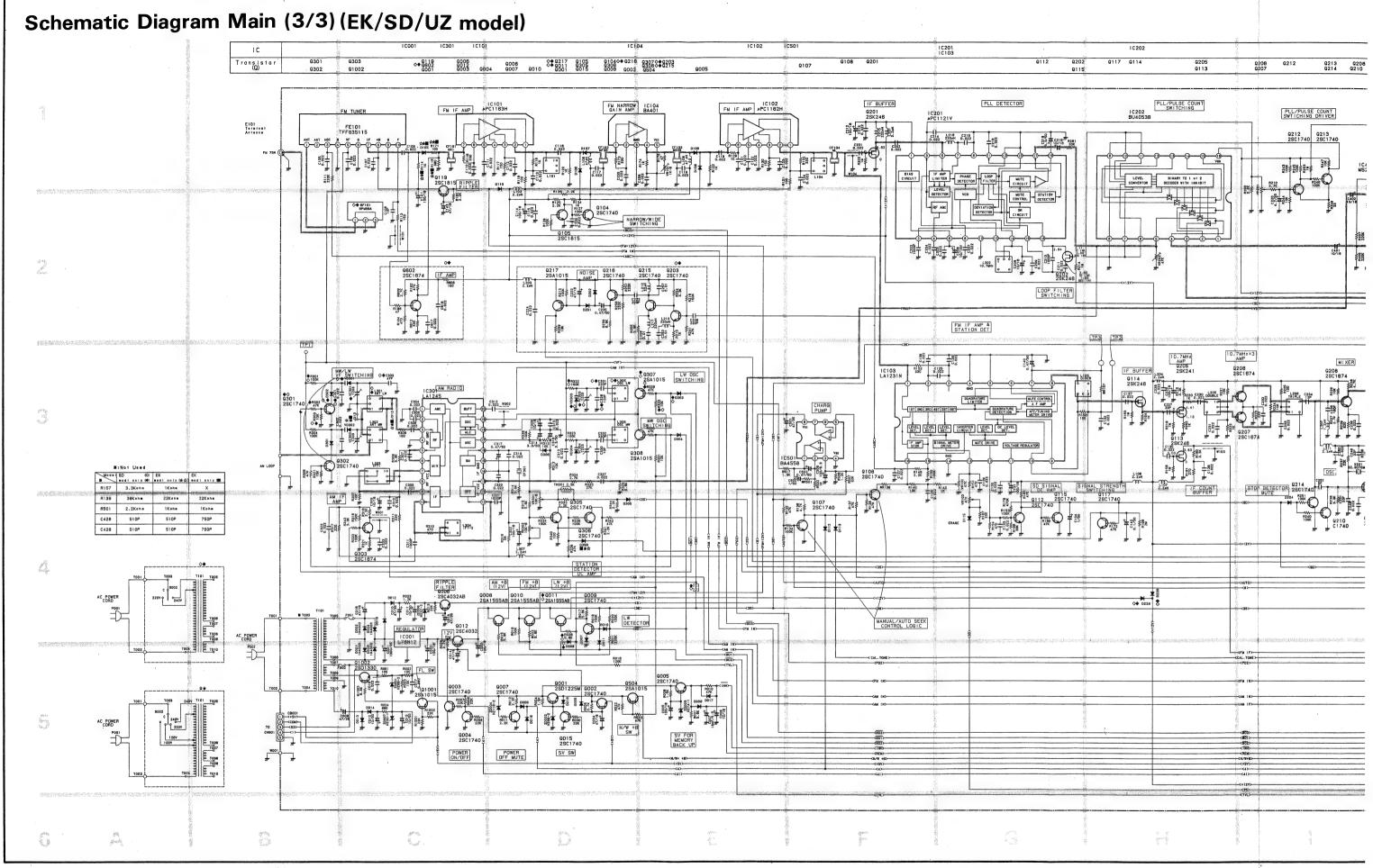
VH→VHF High (4 ~12cH)
U→UHF (13~62cH)
100 Input→ 100dB μ Input

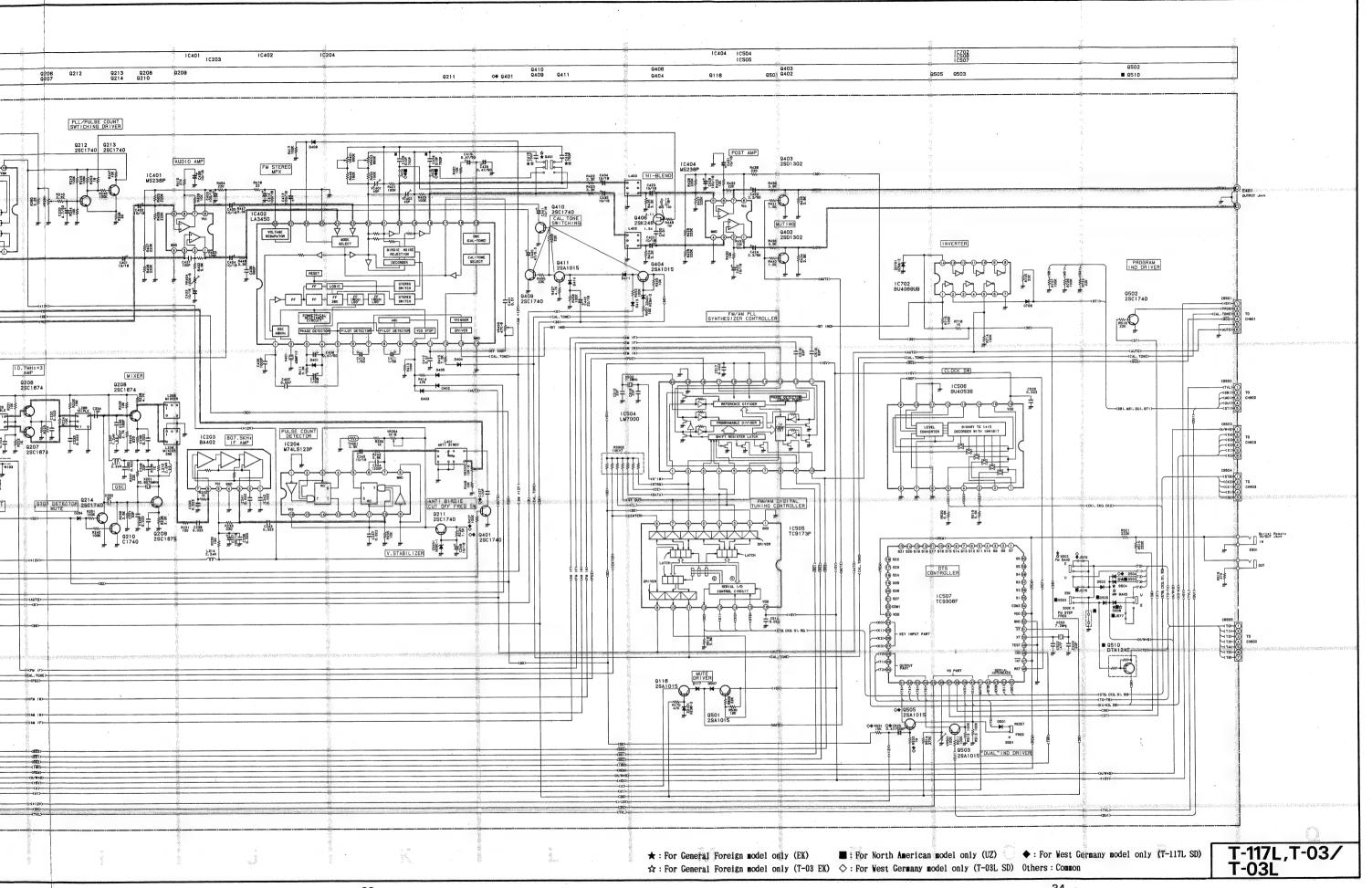
	E	С .	В
Q1001	4.177	4.13V	3.477
Q1002	4.37V	4.82Y	3.68V
Q001	5.21V	12.017	5.75V
Q002	4.479	5.21V	5.12V
Q003	OY	11.99V	OV
Q004	OV	0.017	0.637
Q005	5.85V	12.02V	6.47V
Q006	26.52V	27.87V	27.45V
Q007	OY	0.047	0.67V
Q008	10.64V	10.01V (AM) 0.76V(etc.)	9.33V (AM) 10.51V(etc.)
Q009	0.31V	10.357	0.76V
Q010	10.64V	9.83V (FM) OV (etc.)	9.09V (PM) 10.58V(etc.)
Q011	10.64V	9.81V (TV) 0.07V(etc.)	9.03V (TV) 10.27V(etc.)
Q012	10.63Y	12.02V	11.99¥
Q015	OV	5.75V	øy
Q104	OV	0.07V (V) 0.97V (N)	0.62V (¥) 0.05V (N)
Q105	ov	2.19V (V) 0.05V (N)	0.84V (V) 0.83V (N)
Q107	0¥	0.08V(Manual) 8.16V(Auto 0) 0.78V(Auto 65)	0.66V(Manual) 0.31V(Auto)
Q108	øy	0.9V(Manual) 0V (Auto 0) 0.9V(Auto 65)	0.24V(Manual) 0.82V(Auto 0) 0.04V(Auto 85)
Q109	OV	0.08V(Manual) 8.16V(Auto 0) 0.78V(Auto 65)	0.54V (TV) 0.08V(etc.)
Q 111	ov	3.85V(TV 65) 7.07V(TV 0) 0.04V(PM/AM)	1.26V(TV 65) 0.36V(etc.)
Q112	OV	0.05V(0input) 8.57V(85input)	0.6V (01nput) 0V(651nput)
Q115	OY	8.84V(0input) 0.03V(65input)	0.033Y01mput) 0.63Y(651mput)
Q118	0.08V(Manual) 2.49V(Auto 0) 0.08V(Auto 85)	0.03Y(Manual) 2.42Y(Auto 0) 0.03Y(Auto 85)	1.76V
Q117	OY	0V (01nput) 2.17V(65imput)	0.62V(01nput) 0.08V(651nput)
Q118	OV	0.01¥	0.62V (TV) 0.02V(etc.)
Q119	8.78Y	9.87¥	9.497
Q208	1.27V	4.82Y	1.917
Q206	0.18V	8.81Y	0.85Y
Q207	0.18V	8.81V	0.85V
Q208	0V (0input) 1.18V(65input)	8.89V(01nput) 2.08V(851nput)	0.06Y(0input) 1.83Y(65input
Q209	OV (Olnput)	8.89V	0.04V(01nput) 1.17V(851nput
	0.57V(65input)	L	1.111(0014)01

	E	C	B 0.61V(Oinput)
Q210	07	0.06V(0input) 1.17V(65input)	0.61V(01nput) 0.16V(651nput)
Q211	5:28V	8.86V	5.97V
Q212	0.03V(01nput) 0V(651nput)	4.47V(0input) 0.01V(65input)	0.43V(0 nput) 0.6LV(65 nput)
Q213	0.03V(0lnput) 0V (65input)	0.08V(0input) 8.87V(65input)	0.65V(0input) 0.01V(65input)
Q214	OV	0:04V(0 nput) 1.83V(65 nput)	0.81V(01nput) 0.16V(651nput)
Q215	4.21V	8.87V	4.82V
Q218	3.56V	8.89V	4.117
Q217	8.89V	8.84V	8.24V
Q801	ov	0.01V (MW) 1.26V~ 5.91V(LW)	0.84V (NW) 0.34V (LW)
Q302	0.A	1.17V~ 8.74V(NW) 0.01V(LW)	0.02V (NW) 0.84V (LW)
Q303	1.76V	5.72V	2.52V
Q305	0.45V (01nput) 0.02V(1001nput)	7.04V (01nput) 0.07V(1001nput)	0.02V (01nput) 0.84V(1001nput)
Q306	0.45V (0 nput)	0.56V (01mput) 9.84V(1001mput)	1.14V (Oinput) 0.07V(100lnpit)
Q307	5.83V	5.59V	8.28V(NW) 4.97V(LW)
Q308	5.63V	5.59V	4.98V(NW) 8.32V(LW)
Q401	OV	OV	0.51V
Q402	OV	OV	0.68V(Mute) 0V (etc.)
Q403	OY	OV	0.88V(Nute) 0V 0
Q404	10.61V	9.54V(Cal) 0.03V(etc.)	9.93V(Cal) 10.87V(etc.)
Q485	QV	9.27V (TV) 0.01V (Ca1) 0.09V(etc.)	0.62V (Cal) 0.03V(etc.)
Q409	OY	0.03Y(810.7	0.67V (TV)
Q410	OV	OV	0V (etc.) 0.87V (TV) 0V (etc.)
Q411	9.11V (TV)	9.1V (TV) 0V (etc.)	8.37V (TV) QV (etc.)
Q412	0.05V(etc.) 0V	0.01V(DUAL)	0.82V(DUAL) 0.21V(etc.)
Q501	5.19V	4.28V(etc.) 0.27V	4.8V
Q502	OV	3.2V	OV
Q508	5.01V	5.08V	4.51V
Q504	4.41V	4.14V(FM/TV) 0.02V(etc.)	8.54V(PM/TV) 7.04V(etc.)
Q801	0.497	9.5V	1.267
Q602 (SD model only)	0.517	7.76V	1.25V
Q602 (JA model only)	0.027	9.58V	0.76V
Q808	0.75V	3.15V	1.217



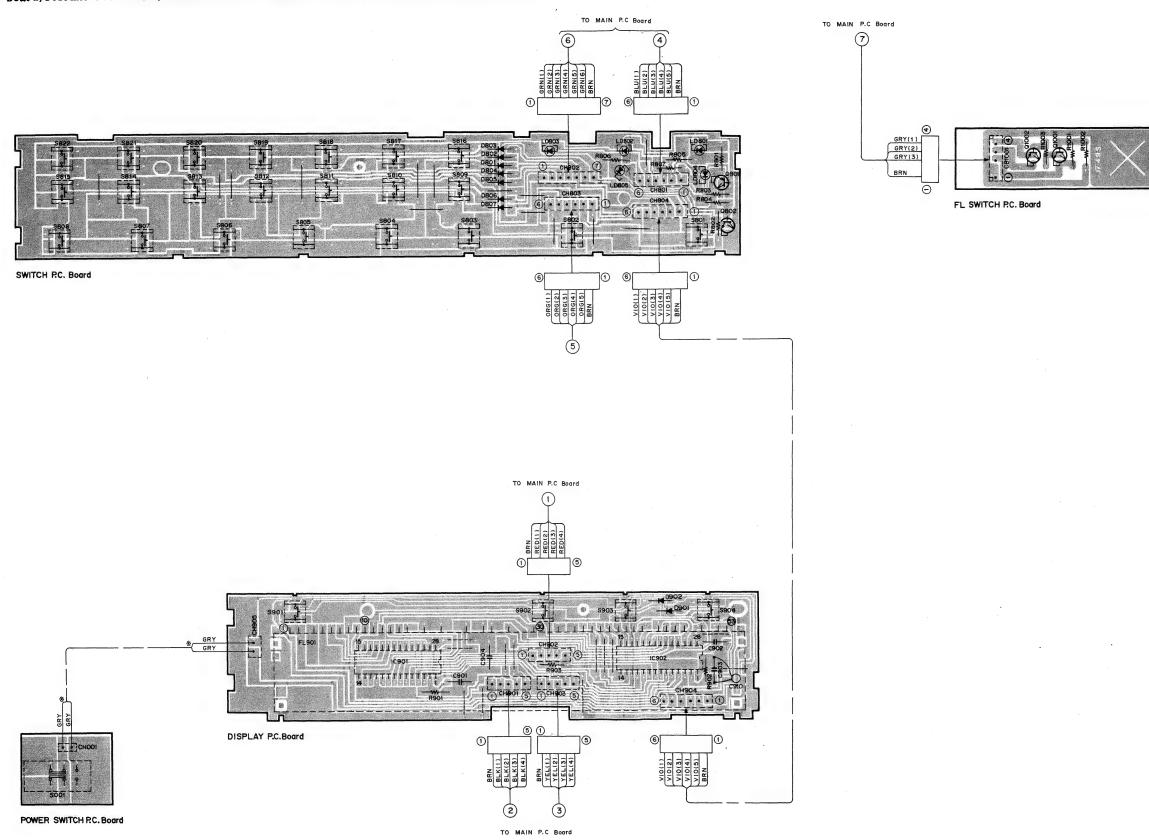




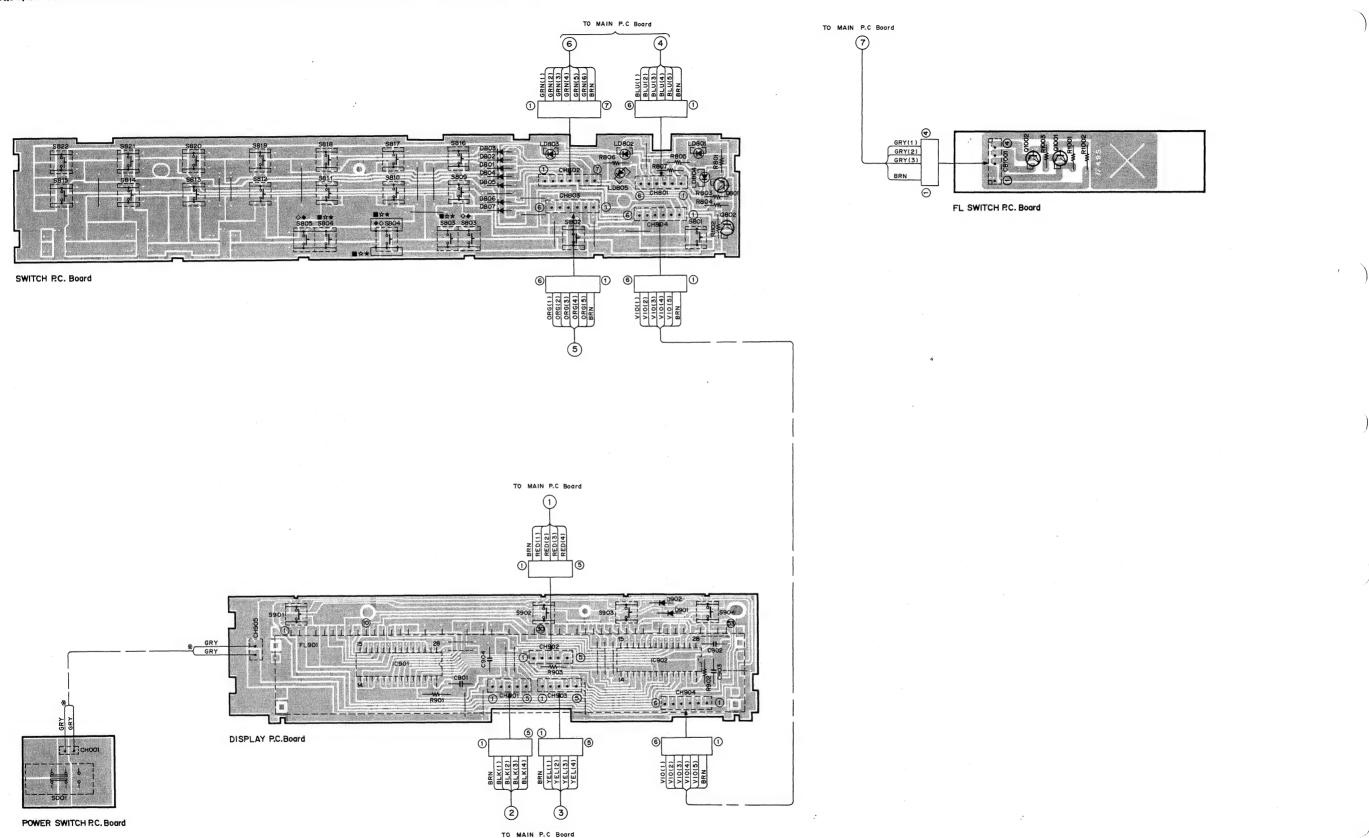


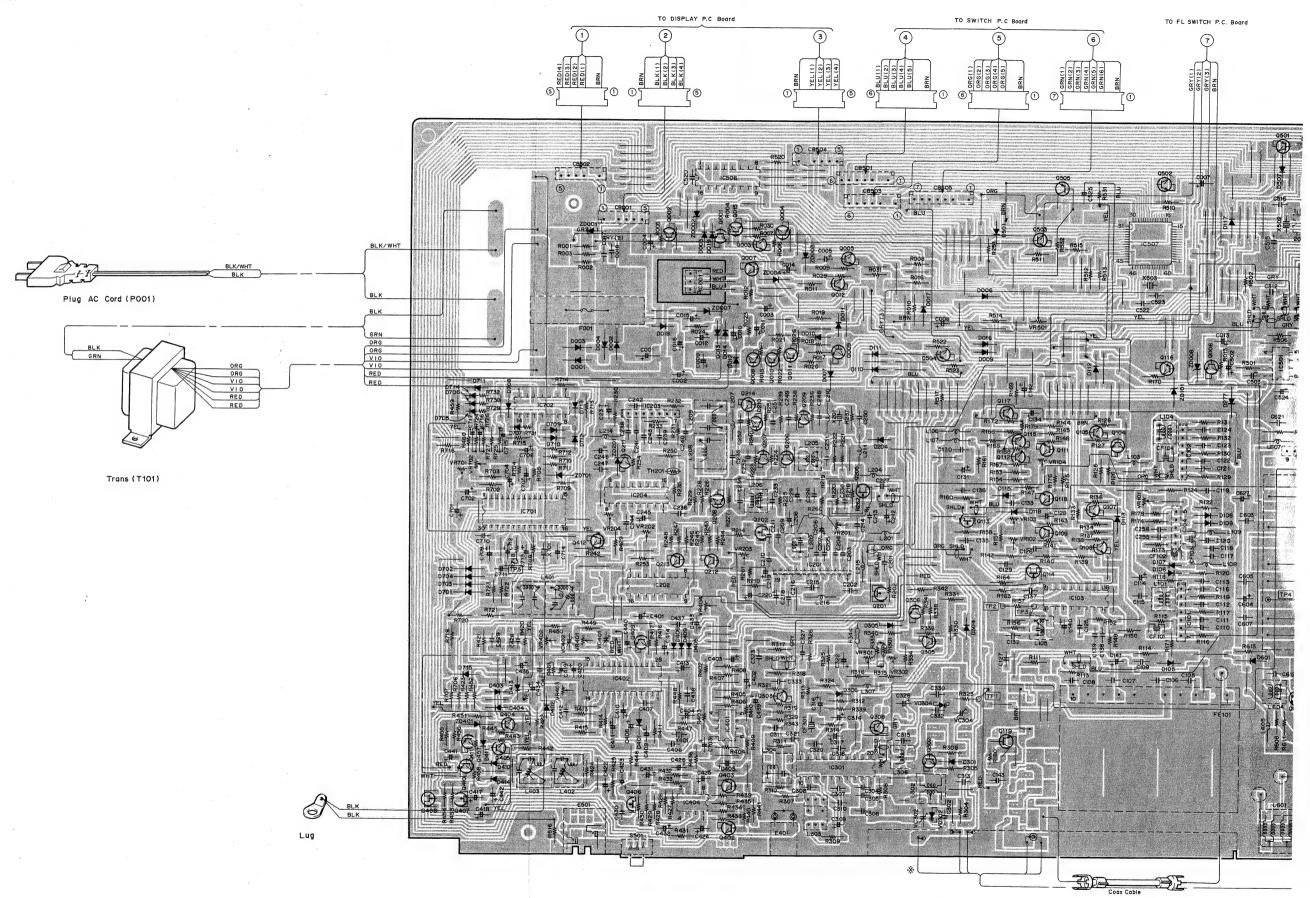
Parts Lagout on P.C. Boards and Wiring Diagram

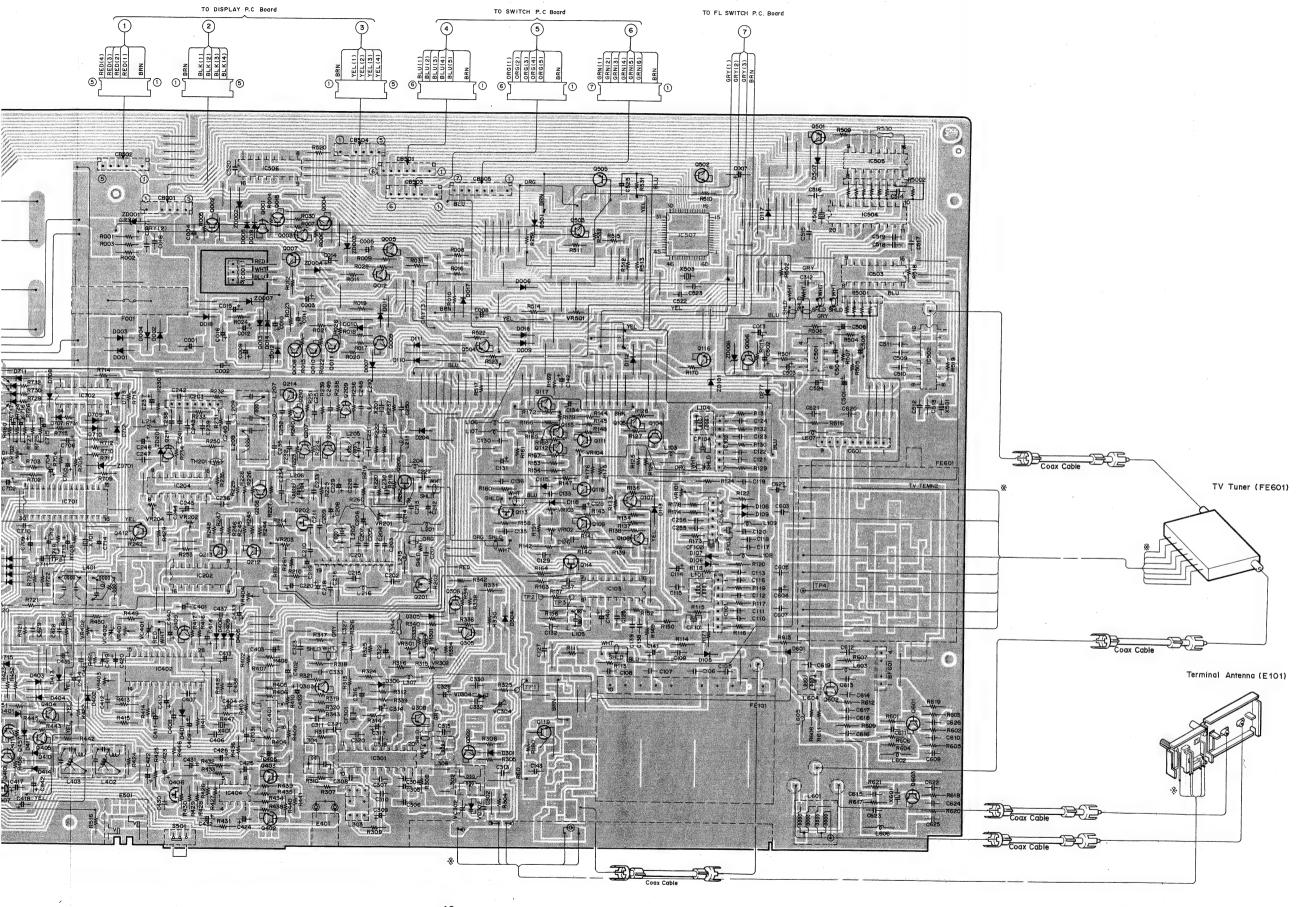
SWITCH P.C. Board/DISPLAY P.C. Board/POWER SWITCH P.C.Board /FL SWITCH P.C.Board (JA Model only)



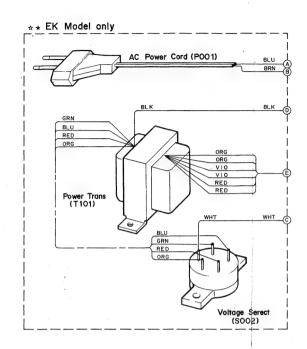
SWITCH P.C. Board/DISPLAY P.C. Board/POWER SWITCH P.C.Board /FL SWITCH P.C.Board (EK/SD/UZ Model only)

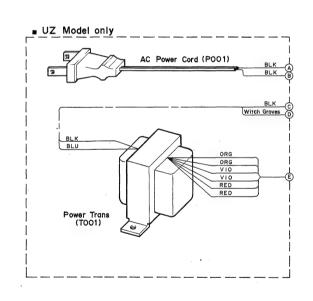


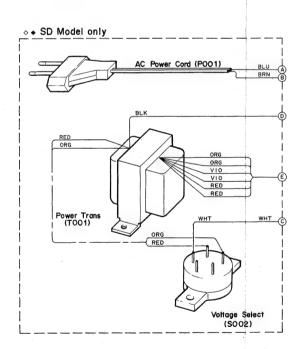


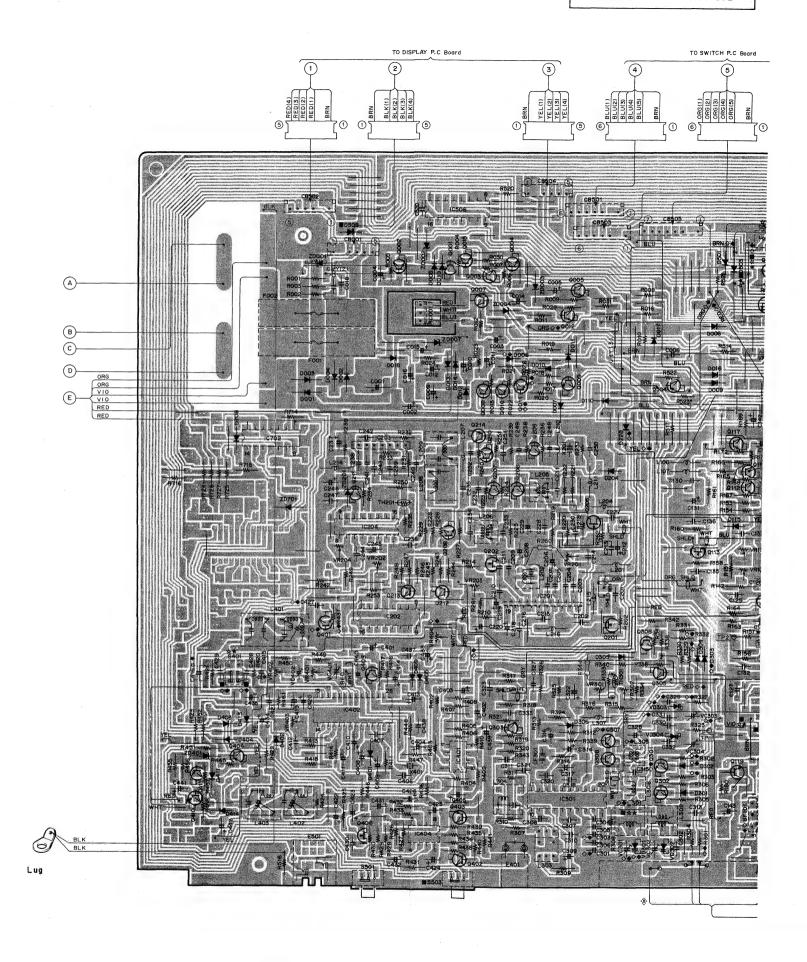


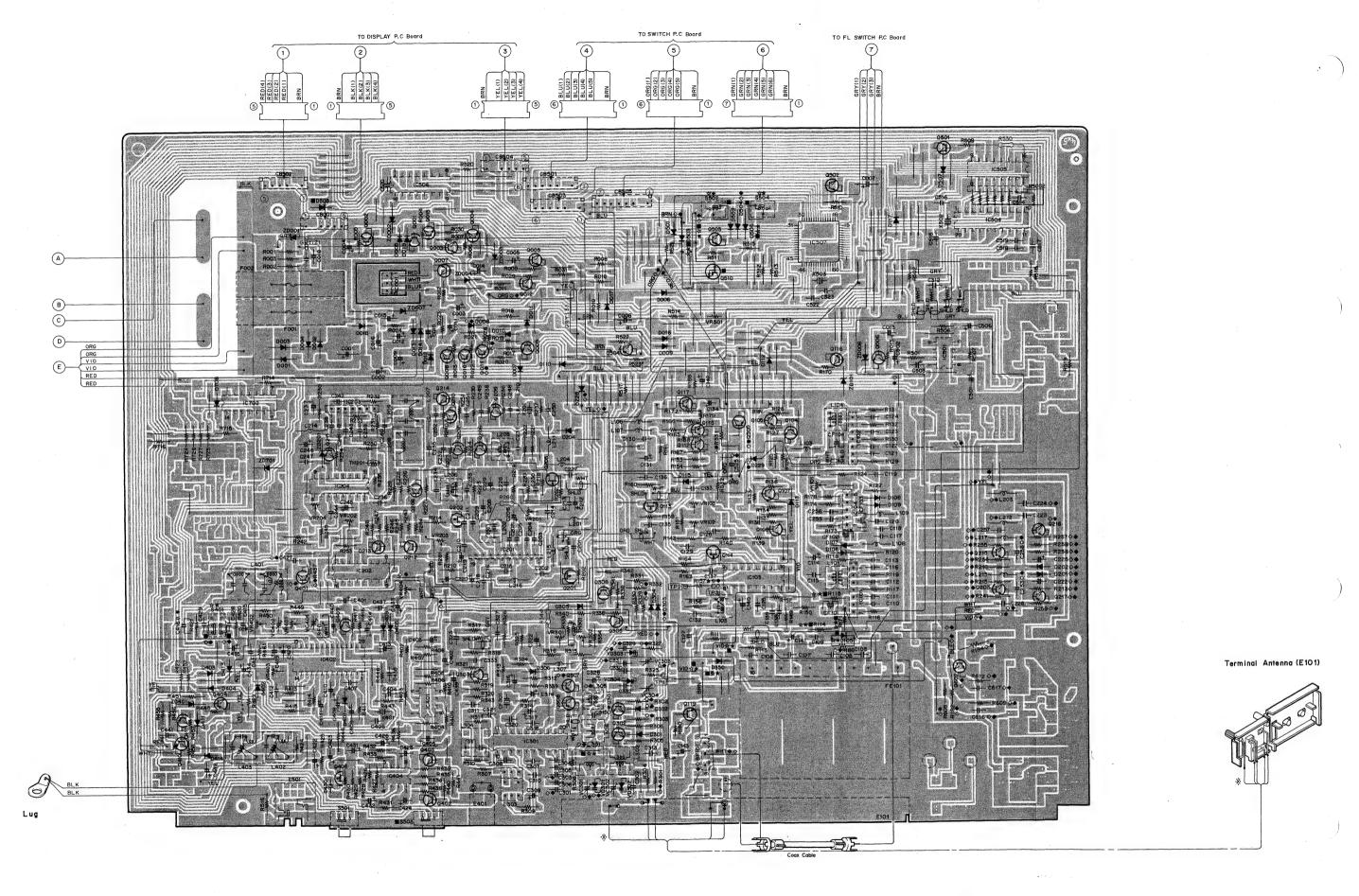
MAIN P.C. Board (EK/SD/UZ Model only)











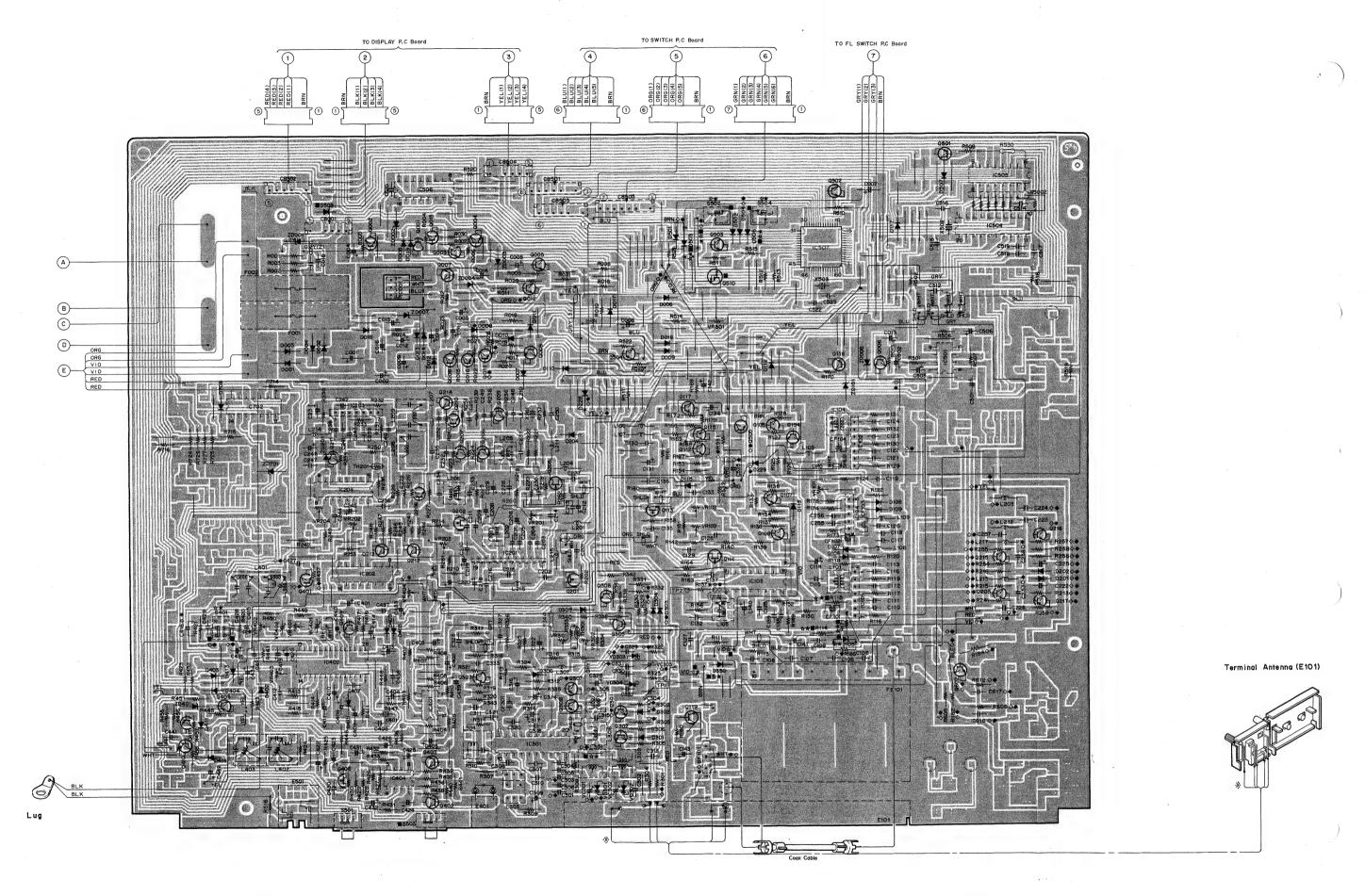
- 44 -

- 43 -

ige Serect (SOO2)

7

ige Select SOO2)



_ 44 _

ige Select SOO2)

Electrical Parts List

 ${\tt Resistor: Carbon\ resistors\ undor\ 1/4\ watts\ are\ not\ mentioned\ in\ the}$ parts list, please confirm them by schematic diagram.

			Abbreviations		Symbol No.	Part No.	Description	
		RESResistor	PPPolypropylene		Q004	48T81103F01	2SC1740	
		CERCeramic	MYLMylar		or	48T81101F01	2SC1815	
		CAPCapcitor			Q005	48T81103F01	2SC1740	
		TRTransist		11	or	48T81101F01	2SC1815	
		in. Handist	1001. 101101101		Q006	48T82761F01	2SC4032AB	
0.	mho1				4000	1		
	mbol	Part No.	Description.		Q007	48T81103F01	2SC1740	
	No.				or	48T81101F01	2SC1815	-
		1	lain P.C. Board		Q008	48T82910F01	2SA1555AB	
_					1		2SC1740	
10	C's	1	Limoure		Q009	48T81103F01		1
-	IC001	51T56583F07	L78N12		or	48T81101F01	2SC1815	
	1C101	51T84601F01	μPC1163H				004455510	
-	IC102	51T84601F01	μPC1163H		Q010	48T82910F01	2SA1555AB	
-	1C103	51T50855F01	LA1231N	•	1	48T82910F01	2SA1555AB	
	IC104	51T72216F01	BA401	•	Q011	48T82910F01	2SA1555AB	
1					> Q011	48T82910F01	2SA1555AB	
	1C201	51T84606F01	μ PC1211V		Q012	48T82761F01	2SC4032AB	
İ	1C202	51T69181F01	BU4053B					
	1C202	51T62863F01	BA402		Q015	48T81103F01	2SC1740	
1		51T56534F01	M74LS123P		or	48T81101F01	2SC1815	
	10204		LA1245		Q104	48T81103F01	2SC1740	
	1C301	51T53323F01	LAIZ40		Q105	48T81103F01	2SC1740	
			WESSER .		Q107	48T81103F01	2SC1740	
	1C401	51T80136F01	M5238P		dro.	40101103001	2001140	
	1C402	51T84610F01	LA3450		0100	10001100001	00017/10	1
	IC404	51T80136F01	M5238P	1 11	Q108	48T81103F01	2SC1740	
	IC501	51T65380F01	BA4558	•	Q109	48T81103F01	2SC1740	
	1C502	51T84659F01	TD6352P		or	48T81101F01	2SC1815	
			'		Q111	48T82761F01	2SC4032AB	
•	10503	51T84657F01	TC9174P		Q112	48T81103F01	2SC1740	
	1C504	51T84660F01	LM7000		or	48T81101F01	2SC1815	
	1C505	51T84658F01	TC9173P	1 11				
	1C506	51T69181F01	BU4053B	1 11	Q113	48T66948F01	FET: 2SK246	1
	1C507	51T92066F01	TC9306F		Q114	48T66948F01	FET. 2SK248	
	10001	31132000101	1000001		Q115	48T81103F01	2SC1740	.
_		54 mo 450 4504	LA7905		or	48T81101F01	2SC1815	
•	1C601	51T84594F01	1			48T81102F01	2SA1015	
	IC701	51T84611F01	LA3801		Q116		2SA933A	
	1C702	51T68998F01	BU4089UB		or	48T81104F01	LONDOUR	
					0	4070110000	0001740	
					Q117	48T81103F01	2SC1740	
					or	48T81101F01	2SC1815	
					Q118	48T81103F01	2SC1740	Į
1	ransist	ors			or	48T81101F01	2SC1815	
•	Q001	48T90204F03	2SD1563		Q119	48T81101F01	2SC1815	
	Q001	48T63085F01	2SD1225M					ŀ
*	Q001	48T63085F01	2SD1225M		Q201	48T66948F01	FET. 2SK246	
^	Q001	48T63085F01	2SD1225M		Q202	48T66948F01	FET. 2SK246	
▼			2SD1225M			48T81103F01	2SC1740	
>	Q001	48T63085F01	2001220M			48T81101F01	2SC1815	
		40000000000	OCD1 ODEN			48T81103F01	2SC1740	'
ů	Q001	48T63085F01	2SD1225M		Q203			
	Q002	48T81103F01	2SC1740		or	48T81101F01	2SC1815	
	or	48T81101F01	2SC1815					
	Q003	48T81103F01	2SC1740		Q205	48T63926F03	2SK241	
	or	48T81101F01	2SC1815		Q206	48S40732P02	2SC1674	
	1				Q207	48S40732P02	2SC1674	
			I I		Q208	48S40732P02	2SC1674	
	1	1			Q209	48S44580J03	2SC1675	

Note: ●: For Japanese model only (JA)

: For North American model only (UZ)

★: For General Foreign model only (EK)

◆: For West Germany model only (T-117L SD)

☆: For General Foreign model only (T-03 EK) ◇: For West Germany model only (T-03L SD) Others: Common

	mbol No.	Part No.	Description		ymbol No.	Part No.	Description		
_	Q210	48T81103F01	2SC1740		Q403	48T57305F01	2SD1302		Г
- 1	or	48T81101F01	2SC1815		Q404	48T81102F01	2SA1015		
- 1	Q211	48T81103F01	2SC1740		or	48T81104F01	2SA933A		
- 1	or	48T81101F01	2SC1815		Q405	48T81103F01	2SC1740		
- 1	Q212	48T81103F01	2SC1740		or	48T81101F01	2SC1815		
- 1		48T81101F01	2SC1815		O1	40101101101	2501010		
	or	46161101701	2501010		Q406	48T66948F01	FET, 2SK246		
	0040	10001100501	0001740		Q407	48T52122F02	FET. 2SK301		
- 1	Q213	48T81103F01	2SC1740	•		1	FET, 2SK301		
- 1	or	48T81101F01	2SC1815	•	Q408	48T52122F02			
	Q214	48T81103F01	2SC1740		Q409	48T57305F01	2SD1302		
- 1	or	48T81101F01	2SC1815		Q410	48T81103F01	2SC1740		
\diamond	Q215	48T81103F01	2SC1740		or	48T81101F01	2SC1815		
\diamond	or	48T81101F01	2SC1815						
- 1					Q411	48T81102F01	2SA1015		
•	Q215	48T81103F01	2SC1740		or	48T81104F01	2SA933A		
•	or	48T81101F01	2SC1815	•	Q412	48T81103F01	2SC1740		
•	Q216	48T81103F01	2SC1740	•	or	48T81101F01	2SC1815		
•	or	48T81101F01	2SC1815		Q501	48T81102F01	2SA1015		1
-					or	48T81104F01	2SA933A		
0	Q216	48T81103F01	2SC1740						
\diamond	or	48T81101F01	2SC1815		Q502	48T81103F01	2SC1740		
			2SA1015		or	48T81101F01	2SC1815		
*	Q217	48T81102F01			Q503	48T81102F01	2SA1015		
•	or	48T81104F01	2SA933A		1		2SA933A		1
\rightarrow	Q217	48T81102F01	2SA1015		or	48T81104F01			
\Diamond	or	48T81104F01	2SA933A		Q504	48T81102F01	2SA1015		
					or	48T81104F01	2SA933A		
*	Q301	48T81103F01	2SC1740						
•	or	48T81101F01	2SC1815		Q505	48T81102F01	2SA1015		
\Diamond	Q301	48T81103F01	2SC1740		Q505	48T81102F01	2SA1015	'	
\Diamond	or	48T81101F01	2SC1815	•	Q505	48T81102F01	2SA1015		
	Q302	48T81103F01	2SC1740		Q510	48T62964F03	DTA124E		
	or	48T81101F01	2SC1815 •	•	Q601	48S40732P02	2SC1674	-	
	Q303	48S40732P02	2SC1674		Q602	48S40732P02	2SC1674		
	Q305	48T81103F01	2SC1740		Q602	48S40732P02	2SC1674		
	or	48T81101F01	2SC1815		Q602	48S40732P02	2SC1674		
	Q308	48T81103F01	2SC1740	•	Q603	48S44580J03	2SC1675		
	OF	48T81101F01	2SC1815						
•	Q307	48T81102F01	2SA1015						
•	or	48T81104F01	2SA933A						
\diams	Q307	48T81102F01	2SA1015		iodes				
\delta	or	48T81104F01	2SA933A		D001	48S40477U01	IN4003		Τ
~	Q308	48T81102F01	2SA1015		D002	48S40477U01	1N4003		
			2SA933A		D003	48S40477U01	1N4003		
	or	48T81104F01	20/10/01		D004	48S40477U01	1N4003		
	0401	40701100701	2001740		D004	48T44813F01	MA165TA		
•	Q401	48T81103F01	25C1740		0000	401440101.01	FMLAUVIA		
•	or	48T81101F01	25C1815		2000	40744010701	WALCETA		
\Q	Q401	48T81103F01	2SC1740		D006	48T44813F01	MA165TA		
\Diamond	or	48T81101F01	2SC1815		D007	48T44813F01	MA165TA		
	Q402	48T57305F01	2SD1302	•	D008	48T44813F01	MA165TA		
					D008	48T44813F01	MA165TA		
					D009	48T44813F01	MA165TA		
		1	1		1	1	1	1	1

Note: ●: For Japanese model only (JA)

^{: ●:} For Japanese model only (JA)

★: For General Foreign model only (EK)

★: For General Foreign model only (T-03 EK)

★: For West Germany model only (T-03 EK)

(T-03L SD)

Check Common

	mbol No.	Part No.	Description		Symbol No.	Part No.	Description	
	D010	48T44813F01	MALGSTA		D402	48T44813F01	MA165TA	1-1
- 1	D011	48T44813F01	MA165TA	1 11	D403	48T44813F01	MA165TA	
Į.	D012	48T44813F01	MA165TA		D404	48T44813F01	MA165TA	
- 1	D012	48T44813F01	MA165TA		D404		ł.	
- 1			1		1	48T44813F01	MA165TA	
- 1	D014	48T44813F01	MA165TA	•	D406	48T44813F01	MA165TA	
	D018	48T44813F01	MA165TA		D409	48T44813F01	MA165TA	
- 1	D017	48T44813F01	MA165TA		D410	48T44813F01	MA165TA	
- 1	D018	48T44813F01	MA165TA		D411	48T44813F01	MA165TA	
1		48T44813F01	MA165TA	1 11	(1	1	1 1
- 1	D019				D413	48T44813F01	MA165TA	
	D105	48T44813F01	MA165TA		D414	48T44813F01	MA165TA	1
-	D105	48T44813F01	MA165TA		D501	48T44813F01	MA165TA	
*	D105	48T44813F01	MA165TA	1 1 1	D502	48T44813F01	MA165TA	
	D105	48T44813F01	MA165TA		D502	48T44813F01	MA165TA	
1	D106	48T44813F01	MA165TA	•		48T44813F01	MA165TA	
	D107	48T44813F01	MA165TA			48T44813F01	MA165TA	
						1011010101		
	D108	48T44813F01	MA165TA	1	D502	48T44813F01	MA165TA	
	D109	48T44813F01	MA165TA		■ D503	48T44813F01	MA165TA	
.	D110	48T44813F01	MA165TA	*	D503	48T44813F01	MA165TA	1 1
- 1	D111	48T44813F01	MA165TA		D503	48T44813F01	MA165TA	
	D112	48T44813F01	MA165TA	•	D504	48T44813F01	MA165TA	
- [
- 1	D113	48T44813F01	MA165TA			48T44813F01	MA165TA	1 1
- 1	D115	48T44813F01	MA165TA			48T44813F01	MA165TA	1 1
Ì	D117	48T44813F01	MA165TA			48T44813F01	MA165TA	
1	D118	48T44813F01	MA185TA	*		48T44813F01	MA165TA	
*	D201	48T44813F01	MA165TA	1 A	D506	48T44813F01	MA165TA	
	D201	48T44813F01	MA165TA		D507	48T44813F01	MA165TA	
- 1	D202	48T44813F01	MA165TA			48T44813F01	MA165TA	1.
	D202	48T44813F01	MA165TA			48T44813F01	MA165TA	1 1
- 1		48T44813F01	MA165TA					
	D204					48T44813F01	MA165TA	
•	D227	48T44813F01	MA165TA	•	D703	48T44813F01	MA165TA	
•	D228	48T44813F01	MA165TA		D704	48T44813F01	MA165TA	
0	D228	48T44813F01	MA165TA		D705	48T44813F02	MA165	
- 1	D229	48T44813F02	MA165			48T44813F02	MA185	
	D229	48T44813F02	MA165			48T44813F02	MA165	
1	D301	48T44813F01	MA165TA		D708	48T44813F01	MA185TA	
	2001	10.1.010.01			2,00			
•	D302	48T44813F01	MA185TA		D709	48T44813F01	MA165TA	
0	D302	48T44813F01	MA165TA		D710	48T44813F01	MA165TA	1 1
	D303	48T44813F01	MA185TA			48T44813F01	MA165TA	
- 1	D303	48T44813F01	MA165TA		D712	48T44813F01	MA165TA	
	D304	48T44813F01	MA165TA			48T44813F01	MA185TA	
	D305	48T44813F01	MA165TA	•	D714	48T44813F02	MA165	
- 1	D306	48T44813F01	MA165TA	•		48T44813F01	MA165TA	
1	D350	48T44813F02	MA185		ZD001	48T52739F38	Zener HZ6B-2	
*	D350	48T44813F02	MA165		ZD002	48T52739F38	Zener HZ6B-2	1
	D401	48T44813F01	MA165TA		ZD003	48T52739F43	Zener HZ7A-1	
J								
							1	

Note: ●: For Japanese model only (JA)

: For North American model only (UZ)

^{★:} For General Foreign model only (EK)

^{◆:} For West Germany model only (T-117L SD)

^{☆:} For General Foreign model only (T-03 EK) ◇: For West Germany model only (T-03L SD) Others: Common

Symbol Symbol		Part No.	Description	S	Symbol No.	Part No.	Description	
	No.			No.	landa land			
	ZD004	48T52739F65	Zener HZ11B-2			Ceramic Locks	ANDA OU OUGENANA	
	ZD007	48T52739F97	Zener HZ30-1		X201	48T84608F02	NDK 32.9075MHZ	
-	ZD008	48T52739F95	Zener HZ27-2	•	X501	48T84664F01	3.2M NDK	
İ	ZD101	48T52739F11	Zener HZ3B-2		X502	48T84663F01	7.2M NDK	
ļ	ZD201	48T52739F40	Zener HZ6C-1		X503	48T84663F01	7.2M NDK	
				•	X601	48T84595F01	NDK 64.95MHZ	
ļ	ZD401	48T52739F53	Zener HZ9A-2					
	ZD701	48T52739F40	Zener HZ6C-1		X401	91T68469F03	Ceramic Lock 456F11	
	ZD701	48T52739F35	Zener HZ6A-2		X701	91T84612F01	Ceramic Lock CSB472F2	
*	ZD701	48T52739F35	Zener HZ6A-2					
	ZD701	48T52739F35	Zener HZ6A-2					
	LDIVI	40102100100						
	70701	48T52739F35	Zener HZ6A-2					
☆	ZD701		Zener HZ6A-2		Capacito	L		<u> </u>
	ZD701	48T52739F35					PIV 1000 "F/25V	[]
•	VD301	48T52826F01	Varactor SVC321SP-A2		C001	23S41198U66	ELY. 1000 μF/35V	
٥	VD301	48T52826F01	Varactor SVC321SP-A2		C002	23S40657F14	ELY. 100 μ F/16V	
	VD302	48T52826F01	Varactor SVC321SP-A2		C003	23S40657F14	ELY. 100 μ F/16V	
					C004	23S40657F13	ELY. 47 μF/16V	
•	VD303	48T52826F01	Varactor SVC321SP-A2		C005	23S40657F14	ELY. 100 μ F/16V	
>	VD303	48T52826F01	Varactor SVC821SP-A2	11			·	
	VD304	48T52826F01	Varactor SVC321SP-A2		C007	23T74513F06	ELY. 18 μF/5.5V	
				- 11	C008	23S40657F10	ELY. 10 μF/16V	
					C009	23S40657F26	ELY. 47 μF/35V	
					C010	23S40657F26	ELY. 47 μF/35V	
				11	C011	23S40657F32	ELY. 10 µF/50V	
-	witches	1				200,000,000		
		40T72577F01	Slide SSSS22		C012	23S40657F32	ELY. 10 μF/50V	
*	S401		Slide SSSS22		C013	23S40657F26	ELY. 47 μF/35V	1
☆	S401	40T72577F01					ELY. 47 μF/16V	
	S501	40T84669F01	Slide SSSJ1(C)		C014	23S40657F13		
*	S502	40T72576F01	Slide SSSS21		C015	23S40657F32	ELY. 10 μ F/50V	
☆	S502	40T72576F01	Slide SSSS21		C016	23S40657F13	ELY. 47 μF/16V	
				11				
	S503	40T84669F01	Slide SSSJ1		C017	08S40805F21	CER. 0.022 µ F	
*	S504	40T72576F01	Slide SSSS21		C018	08S40805F21	CER. 0.022 μ F	
*	S504	40T72576F01	Slide SSSS21		C105	08S40805F21	CER. 0.022 µ F	
					C106	08S40805F21	CER. 0.022 µ F	
					C107	08S40805F21	CER. 0.022 µ F	
					C108	21S40655F11	CER. 10pF	
	241+000	J			C109	08S40805F21	CER. 0.022 µ F	
_	ilters	01774400001	BPMB6A		C110	08S40805F21	CER. 0.022 µF	
*	BF101	91T74482F01					CER. 0.022 µF	
♦	BF101	91T74482F01	BPMB6A		CIII	08S40805F21	1	
•	BF601	91T84593F01	SAF54MC70Z		C112	08S40805F21	CER. 0.022 μ F	
	CF101	91T84598F01	SFE10.7MXK					
	CF102	91T84599F01	SFE10.7MS3G		C113	08S40805F21	CER. 0.022 μ F	
					C114	23S40657F14	ELY. 100 μ F/16V	.
	CF103	91T84599F01	SFE10.7MS3G		C115	08S40805F21	CER. 0.022 μ F	
	CF104	91T51131F02	SFE10.7 ML-A		C118	08S40805F21	CER. 0.022 μ F	
	CF301	91T60378F01	CER. BFU450C4N		C117	08S40805F21	CER. 0.022 μ F	
	L401	91T84609F01	ANT. BIRDY					
	L402	91T66943F01	MPX		C118	08S40805F21	CER. 0.022 µ F	
	L402	91100040101			C119	08S40805F21	CER. 0.022 µ F	
	1 400	01700040001	MDA		C120	08S40805F21	CER. 0.022 μ F	
	L403	91T66943F01	MPX					
					C121 C122	08S40805F21	CER. 0.022 μ F CER. 0.022 μ F	
					111177	08S40805F21	1 LPK 11 1177 11 P	

Note: : For Japanese model only (JA)

[:] For North American model only (UZ)

^{★:} For General Foreign model only (EK) ♦: For West Germany model only (T-117L SD)

☆: For General Foreign model only (T-03 EK) ♦: For West Germany model only (T-03L SD) Others: Common When replacing varactor diodes. VD301 ~VD304. always diode with the same rank.

No.	ELY. 0.47 μF/50V ELY. 0.47 μF/50V CER. 220pF
C124 08840805P21 CER. 0.022 μ F ♦ C225 28840857P2 C125 08840805P21 CER. 0.022 μ F ♦ C225 22840857P2 C126 08840805P21 CER. 0.022 μ F ♦ C226 21840855P2 ♦ C128 23840857P10 ELY. 10 μ P/16V C227 21840855P1 C129 08840805P21 CER. 0.022 μ F C228 2884085F21 C130 08840805P21 CER. 0.022 μ F C229 2884085F21 C131 23840857P14 ELY. 10 μ P/16V C230 08840805P2 C133 08840805P21 CER. 0.022 μ F C231 08840805P2 C134 23840857P28 ELY. 1 μ P/50V C233 08840805P2 C135 08840805P21 CER. 0.022 μ F C234 21840855P1 C136 08840805P21 CER. 0.022 μ F C235 08840805P2 C137 08840805P21 CER. 0.022 μ F C237 2384085P2 C140 23840857P2 CER. 0.022 μ F C237 2384085P2 C141 23840857P1 CER. 0.022 μ F C238 08840805P2 C141 <td< th=""><th>ELY. 0.47 μF/50V ELY. 0.47 μF/50V CER. 220pF</th></td<>	ELY. 0.47 μF/50V ELY. 0.47 μF/50V CER. 220pF
C125 08S40805F21 CER. 0.022 μF C226 22S40657F2 C127 08S40805F21 CER. 0.022 μF C228 21S40655F2 C128 23S40657F10 CLY. 10 μF/16V C227 21S40655F2 C129 08S40805F21 CER. 0.022 μF C228 08S40805F2 C130 08S40805F21 CER. 0.022 μF C229 23S4065F2 C132 08S40805F21 CER. 0.022 μF C230 08S40805F2 C133 08S40805F21 CER. 0.022 μF C231 08S40805F2 C134 23S40657F28 CER. 0.022 μF C234 21S40655F2 C134 23S40657F2 CER. 0.022 μF C234 21S40655F2 C136 08S40805F21 CER. 0.022 μF C234 21S40655F2 C137 08S40805F21 CER. 0.022 μF C234 21S40655F2 C140 23S40657F14 CER. 0.022 μF C238 08S40805F2 C141 23S40657F14 CER. 0.022 μF C238 08S40805F2 C141 23S40657F14 CER. 0.0	7 ELY. 0.47 μF/50V CER. 220pF
C126 08S40805F21 CER. 0.022 μF ♦ C228 21S40655F2 C128 28S40805F21 CER. 0.022 μF ♦ C228 21S40655F2 C129 08S40805F21 CER. 0.022 μF C229 22S40657F1 C131 23S40657F14 CER. 0.022 μF C230 08S40805F2 C132 08S40805F21 CER. 0.022 μF C231 08S40805F2 C133 08S40805F21 CER. 0.022 μF C232 08S40805F2 C134 23S40657F12 CER. 0.022 μF C232 08S40805F2 C135 08S40805F21 CER. 0.022 μF C234 21S40655F2 C137 08S40805F21 CER. 0.022 μF C236 08S40805F2 C137 08S40805F21 CER. 0.022 μF C236 08S40805F2 C140 23S40657F14 ELY. 0.1 μF/50V C238 08S40805F2 C141 23S40657F1 CER. 0.022 μF C237 23S4065F2 C141 23S40657F1 CEY. 0.1 μF/16V C240 08S40805F2 C201 08S40805F21 CE	CER. 220pF
C128 23S40657F10 ELY. 10 μF/16V C227 21S40655F2 C229 08S40805F21 CER. 0.022 μF C230 08S40805F21 CER. 0.022 μF C231 08S40805F2 C231 08S40805F21 CER. 0.022 μF C231 08S40805F2 C231 08S40805F2 C231 08S40805F2 C231 08S40805F2 C231 08S40805F2 C231 08S40805F2 C231 08S40805F2 C231 08S40805F2 C231 08S40805F2 C231 08S40805F2 C231 08S40805F2 C233 08S40805F2 C233 08S40805F2 C233 08S40805F2 C233 08S40805F2 C233 08S40805F2 C233 08S40805F2 C233 08S40805F2 C234 21S40655F1 C236 08S40805F2 C237 C237 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C238 08S40805F2 C240 08S40805F2 C240 08S40805F2 C240 08S40805F2 C241 08S40805F2 C241 08S40805F2 C241 08S40805F2 C242 08S40805F2 C244 08S40805F2 C244 08S40805F2 C244 08S40805F2 C244 08S40805F2 C244 08S40805F2 C244 08S40805F2 C244 08S40805F2 C244 08S40805F2 C244 08S40805F2 C244 08S40805F2 C244 08S40805F2 C244 08S40805F2 C244 08S40805F2 C244 08S40805F2 C244 08S40805F2 C244 08S40805F2 C244 08S40805F2 C244 08S40805F2 C244 08S40805F2 C245 08S40805F2 C246 08S40805F2 C247 08S40805F2 C248 08S40805F2 C248 08S40805F2 C248 08S40805F2 C248 08S40805F2 C248 08S40805F2 C248 08S40805F2 C248 08S40805F2 C248 08S40805F2 C248 08S40805F2 C248 08S40805F2 C248 08S40805F2 C248 08S40805F2 C248 08S40805F2 C248 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255 08S40805F2 C255	
C128 23840657F10	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	CER. 220pF
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$\begin{array}{cccccccccccccccccccccccccccccccccccc$	CER. 0.022 μ F
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$\begin{array}{cccccccccccccccccccccccccccccccccccc$	CER. 0.022 μ P
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C206 23S40657F10 ELY. 10 μ F/16V C248 21S40655F1 C207 08S40805F21 CER. 0.022 μ F C249 08S40805F2 C208 23S40657F10 ELY. 10 μ F/16V C250 08S40805F2 C209 08S40805F21 CER. 0.022 μ F C251 21S40655F1 C210 08S40805F27 CER. 1000pF C252 21S40655F0 C211 08S40805F21 CER. 0.022 μ F C253 08S40656F1 C212 23S40657F14 ELY. 100 μ F/16V C253 08S40805F2 C213 08S40805F21 CER. 0.022 μ F C255 08S40805F2 C214 08S40805F21 CER. 0.022 μ F C256 08S40805F2 C215 08S40805F21 CER. 0.022 μ F C257 08S40656F1 C216 08S40805F21 CER. 0.022 μ F C257 08S40656F1 C218 23S40657F30 ELY. 3.3 μ F/50V C258 08S40656F1 C219 23T43247F09 ELY. 10 μ F/16V C258 08S40656F1	CER. 0.022 μF
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$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	CER. 33pF
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	CER. 5pF
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C214 08S40805F21 CER. $0.022 \mu F$ C256 08S40805F21 C215 08S40805F21 CER. $0.022 \mu F$ \diamondsuit C257 08S4085F21 C216 08S40805F21 CER. $0.022 \mu F$ \diamondsuit C257 08S40856F11 C218 23S40657F30 ELY. $3.3 \mu F/50V$ \diamondsuit C258 08S40656F11 C219 23T43247F09 ELY. $10 \mu F/16V$ \diamondsuit C258 08S40656F13	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	CER. 0.022 μ F
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	MYL. 0.01 μF
C218 23S40657F30 ELY. $3.3 \mu F/50V$ \spadesuit C258 08S40656F13 C219 23T43247F09 ELY. $10 \mu F/16V$ ϕ C258 08S40656F13	1 1
C219 23T43247F09 ELY. 10 μF/16V	1 1
C222 23S40657F13 ELY. 47 μF/16V	
> C222 23S40657F13 ELY. 47 μF/16V C302 08S40805F21	CER. 0.022 μ F
C223 21S40655F27 CER. 220pF	CER. 47pF
> C223 21S40855F27 CER. 220pF \$\ C803 21S40655F1S	CER. 47pF
C224 08S40805F21 CER. 0.022 μF	CER. 0.022 µ F

Note: ●: For Japanese model only (JA)

: For North American model only (UZ)

^{★ :} For General Foreign model only (EK)

^{◆:} For West Germany model only (T-117L SD)

^{☆:} For General Foreign model only (T-03 EK) ◇: For West Germany model only (T-03L SD) Others: Common

	ibol Vo.	Part No.	Description		Symbol No.	Part No.	Description	
~	2305	08S40805F21	CER. 0.022 µ F		C417	23S40657F10	ELY. 10 μF/16V	
1	2306	08S40805F21	CER. 0.022 μ F		C418	23S40657F10	ELY. 10 μF/16V	
1	C307	08S40805F21	CER. 0.022 µ F		C419	23T43247F04	ELY. 0.47 µF/50V	1 1
1			CER. 0.022 µF		C420	23S40657F27	ELY. 0.47 μF/50V	
	C308	08S40805F21			C421	08S40656F13	MYL. 0.01 μF	
1	C309	23S40657F10	ELY. 10 μF/16V		0421	00340030113	Mil. 0.01 µ	
	C310	08S40805F21	CER. 0.022 µF		C422	23S40657F10	ELY. 10 μF/16V	
-10	C311	08S40805F07	CER. 1000pF		C423	23S40857F10	ELY. 10 µF/16V	
- 1	C312	08S40805F21	CER. 0.022 µ F		C424	23S40657F29	ELY. 2.2 μ F/50V	
	C313	08S40805F21	CER. 0.022 µF		C425	23S40657F29	ELY. 2.2 \(\mu\) F/50V	
- 1	C314	23S40657F30	ELY. 3.3 μ P/50V		C426	23S40657F14	ELY. 100 μ F/16V	
		00010005701	CDD 4 000 D		C497	21S40655F24	CER. 120pF	
- 1	C315	08S40805F21	CER. 0.022 µ F		◆ C427			
	C316	23S40657F30	ELY. 3.3 \(\mu \) F/50V		♦ C427	21S40655F24	CER. 120pF	
- [1	C317	23S40657F27	ELY. 0.47 μF/50V		C428	08T52448F06	PP. 510pF	
	C318	08S40805F21	CER. 0.022 μ F	1 1 1 1	C428	08T52448F10	PP. 750pF	
	C320	08S40805F21	CER. 0.022 μ F		★ C428	08T52448F06	PP. 510pF	
	C321	08S40805F07	CER. 1000pF		◆ C428	08T52448F06	PP. 510pF	
- 1	C322	23S40657F14	ELY. 100 μ F/16V		☆ C428	08T52448F06	PP. 510pF	
	C323	08S40805F21	CER. 0.022 µ F		♦ C428	08T52448F06	PP. 510pF	
- 1	C327	08S40805F21	CER. 0.022 µ F		C429	08T52448F06	PP. 510pF	
ı	C328	23S40657F10	ELY. 10 μF/16V		C429	08T52448F10	PP. 750pF	
						000000440000	DD 510-D	
	C329	21S40855F24	CER. 120pF		★ C429	08T52448F06	PP. 510pF	
>	C329	21S40655F24	CER. 120pF		◆ C429	08T52448F06	PP. 510pF	
	C330	21S40655F11	CER. 10pF		☆ C429	08T52448F06	PP. 510pF	
•	C331	21S40855F27	CER. 220pF		♦ C429	08T52448F06	PP. 510pF	
\diamond	C331	21S40855F27	CER. 220pF		C430	08S40656F13	MYL. 0.01 μF	
	C332	21S40655F29	CER. 330pF		C431	23S40657F10	ELY. 10 μ F/16V	
- 1	C333	08S40805F21	CER. 0.022 µ F		C432	23S40657F10	ELY. 10 μF/16V	
		23S40657F10	ELY. 10 μF/16V		C433	23S40657F10	ELY. 10 μF/16V	
- 1	C401		ELY. 10 \(\mu\)F/16V		C434	23S40657F10	ELY. 10 μF/16V	
- 1	C402 C403	23S40657F10 23S40657F14	ELY. 100 \(\mu \) F/16V		C435	23S40657F10	ELY. 10 µF/16V	
	0100							
- 1	C404	23S40657F10	ELY. 10 μF/16V		C437	21S40655F23	CER. 100pF	1
-	C405	23S40657F10	ELY. 10 μF/16V		C438	08T52448F07	PP. 560pF	
1	C406	08S40805F07	CER. 1000pF		C439	23S40657F10	ELY. 10 μF/16V	
	C407	08S40656F21	MYL. 0.047 μF		C440	23S40657F02	ELY. 47 μF/6.3V	
	C408	23S40657F27	ELY. 0.47 μF/50V		C441	23S40657F10	ELY. 10 μ F/16V	
	0400	23S40657F28	ELY. 1 μ F/50V		C442	23S40657F11	ELY. 22 μF/16V	1
	C409				C501	23S40657F26	ELY. 47 μ F/35V	
	C410	23S40657F28	ELY. 1 4 F/50V		C502	23S40657F28	ELY. 1 \(\mu \) F/50V	
	C411	23S40657F28	ELY. 1 \mu F/50V				ELY. 0.47 μF/50V	
]	C412	08S40656F13	MYL. 0.01 μF		C503	23S40657F27	ELY. 0.47 μ Γ/50V ELY. 0.47 μ Γ/50V	
	C413	23S40657F14	ELY. 100 μ F/16V		● C504	23S40657F27	μι. υ.41 μι/υυγ	
	C414	23S40857F14	ELY. 100 μ F/16V		● C505	23S40657F28	ELY. 1 \(\mu \) F/50V	
*	C415	08T52448F10	PP. 750pF		C506	23S40657F03	ELY. 100 μ F/6.3V	
☆	C415	08T52448F10	PP. 750pP		● C509	08S40805F07	CER. 1000pF	
*	C416	08T52448F10	PP. 750pF		● C510	08S40805F07	CER. 1000pF	1 1
☆	C416	08T52448F10	PP. 750pF		● C511	08S40805F21	CER. 0.022 μ F	
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TUN			reign model only (EK)	♦ : For West German			\	

Symbol No.		Part No.	Part No. Description		No.	Part No.	Description	
	512	21S40655F17	CER. 83pF	•	C704	23S40657F27	ELY. 0.47 μF/50V	
0	513	21S40655F17	CER. 33pF		C705	23S40657F31	ELY. 4.7 μF/50V	
- 1	514	08S40805F21	CER. 0.022 µ F		C708	23S40657F31	ELY. 4.7 µF/50V	
- 1	515	21S40855F17	CER. 33pF		C709	23S40657F12	ELY. 33 µF/16V	
- 1	516	21S40655F17	CER. 33pF		C710	08T42081U12	POLY.300pF	
					1		1001100	
C	517	08S40805F21	CER. 0.022 μ F		C711	23S40657F31	ELY. 4.7 μF/50V	
C	2518	21S40655F22	CER. 82pF		C712	23S40657F10	ELY. 10 μF/16V	1
C	2519	21S40855F22	CER. 82pF		C713	23S40657F10	ELY. 10 μF/16V	
lo	2520	08S40805F21	CER. 0.022 µ F		C714	23T42477F09	ELY. B.P 4.7 μ F/25V	
	2522	21S40855F19	CER. 47P	•	C715	23T43247F08	ELY. 4.7 μ F/25V	
	523	21S40655F17	CER. 33pF		C716	23T43247F05	ELY. 1 \(\mu \) F/50V	
		23S40657F31	ELY. 4.7 μ P/50V			23T43247F05		-
	2524				C717		ELY. 1 μ F/50V	
	2525	23T41366F39	ELY. B.P 0.47 μF/50V	•	VC301	20T47503F02	Trimmer TZ03 (RED)	
1	2525	23T41366F39	ELY. B.P 0.47 μF/50V		VC301	20T47503F02	Trimmer TZ03 (RED)	l
	C525	23T41366F39	ELY. B.P 0.47 μF/50V		VC302	20T47503F02	Trimmer TZ03 (RED)	
	2603	08S40805F21	CER. 0.022 µ F	•	VC303	20T47503F02	Trimmer TZ03 (RED)	
	C604	23S40657F10	ELY. 10 μF/16V		VC303	20T47503F02	Trimmer TZ03 (RED)	
3	C605	08S40805F21	CER. 0.022 μ F		VC304	20T47503F02	Trimmer TZ03 (RED)	1
	2607	08S40805F21	CER. 0.022 μ F		VC401	20T47503F03	Trimmer TZ03 (YEL)	
	C609	08S40805F21	CER. 0.022 μ F		VC402	20T47503F03	Trimmer TZ03 (YEL)	
•	C610	21S40655F26	CER. 180pF					
		08S40805F21	CER. 0.022 µ F					
	C611	21S40655F06	CER. 5pP			1		1
1	C612							
1	C813 C614	21S40655F26 21S40655F13	CER. 180pF CER. 15pF		Coils	L		1
1					L101	24T84602F01	IFT. 10.7MHA (BLK)	
• 0	C615	21S40655F03	CER. 2pF		L103	24T50508F14	IND. 2.2 µ H	
• (C616	08S40805F21	CER. 0.022 µ F		L104	24T84602F01	IFT. 10.7MHA (BLK)	
• 10	C616	08S40805F21	CER. 0.022 µ F		L105	24T84605F01	DISCR.	- 1
- 1	C618	08S40805F21	CER. 0.022 µ F		L108	24T50508F14	IND. 2.2 µ H	- 1
- 1	C617	08S40805F21	CER. 0.022 µ F					
					L107	24T50508F14	IND. 2.2 µH	
1	C617	08S40805F21	CER. 0.022 μ F		L108	24T50508F30	IND. 47 μH	
0	C617	08S40805F21	CER. 0.022 µ F		L109	24T50508F30	IND. 47 µH	-
•	C618	08S40805F21	CER. 0.022 μ F		L201	24T50508F14	IND. 2.2 μH	
- 1	C619	08S40805F21	CER. 0.022 μ F		L202	24T84607F01	VCO 10.7MHZ	
• 1	C620	08S40805F21	CER. 0.022 µ F		1000	Offenenan	1ND 0.011	
• (C621	08S40805F21	CER. 0.022 µ F		L203 L203	24T50508F14 24T50508F14	IND. 2.2 μH IND. 2.2 μH	
	C622	21S40655F03	CER. 2pF		L204	24T50508F14	IND. 2.2 µH	
	C623	21S40655F11	CER. 10pF		L205	24T74509F01	10.7DOUBLER (BLK)	1
	C624	08S40805F21	CER. 0.022 µF		L208	24T74510F01	32.1TRIPLER	
- 1	C625	08S40805F21	CER. 0.022 µ F		12200	21111010101	V - 2 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-
-	C020	00340000121	ODR. 0.026 μΓ		L207	24T50508F11	IND. 1.2 μH	
، ا	C626	08S40805F21	CER. 0.022 μ F		L208	24T74511F01	0.8MIXER	-
	C627	23S40857F14	ELY. 100 \(\mu \) F/16V		L209	24T80074F01	O. SMIXER 2ND	
	C701	23S40657F14	ELY. 100 \(\mu \) F/16V		L210	24T50508F14	IND. 2.2 \(\mu\) H	
1		23S40857F31	ELY. 4.7 μ F/50V		L211			
	C702				1211	24T50508F14	IND. 2.2 μH	
• (C703	23S40657F28	ELY. 1 μ F/50V					-
		1			1	ł		- 1

Note: ●: For Japanese model only (JA)

[:] For North American model only (UZ)

^{★:} For General Foreign model only (EK)

^{◆:} For West Germany model only (T-117L SD)

^{☆:} For General Foreign model only (T-03 EK) ◇: For West Germany model only (T-03L SD) Others: Common

S	ymbol No.	Part No.	Description		Symbol No.	Part No.	Description
•	L212	24T50508F38	1ND. 220 μH		lack	1	1
>	L212	24T50508F38	IND. 220 µH		E401	09T84616F01	Plate phone T5855
	L213	24T50508F38	IND. 220 μH		E401	09T84616F01	Plate phone T5855
	L213	24T50508F38	IND. 220 µH	*	E401	09T84616F01	Plate phone T5855
	L214	24T50508F14	IND. 2.2 \(\mu\) H	1	E401	09T84616F01	Plate phone T5855
	L214	24130306114	IND. 2.2 # II	h	E401	09T84616F02	Plate phone T5855
		OATE OF OFFICE	IND 000 c. II	*	E401	03164616762	Frate bilone 19000
	L215	24T50508F38	IND. 220 μ H		Dia	0.070.401.0700	Distance MEGE
	L216	24T50508F38	IND. 220 µH		E401	09T84616F02	Plate phone T5855
•	L217	24T50508F38	IND. 220 μH		E501	09T84124F01	Head phone MINI W
\diamond	L217	24T50508F38	IND. 220 μ H				
•	L301	24T90785F01	Trans. LW ANT			1	
^	L301	24T90785F01	Trans. LW ANT			Stat	ion Switch P.C. Board
\rightarrow	1		Trans. MW ANT		Propolat	0.00	
	L302	24T90784F01		-	Transist		0041015
	L303	24T67274F01	SFL450B-3 (WHT)		Q801	48T81102F01	25A1015
	L304	24T53327F01	AM IF (BLK)		or	48T81104F01	2SA933A
•	L305	24T57627F01	Trans. LW OSC (BLK)		Q802	48S43525F02	2SC1815
\	L305	24T57627F01	Trans. LW OSC (BLK)				
~	L306	24T53326F01	Trans. AM OSC		Diodes	_l	
	L307	24T50508F14	IND. 2.2 \(\mu \) H		D801	48T44813F01	MA165TA
_	1	24T84590F01	BALUN. 75-75	1 11	D802	48T44813F01	MA165TA
-	L601						
•	L602	24T50508F14	IND. 2.2 μ H		D803	48T44813F01	MA165TA
_			1377		D804	48T44813F01	MA165TA
•	L603	24T50508F11	IND. 1.2 μ H		D805	48T44813F01	MA165TA
•	L604	24T84596F01	IFT. 10.7MHZ (BLK)				
•	L605	24T50508F14	IND. 2.2 µ H		D806	48T44813F01	MA165TA
•	L606	24T50508F08	1ND. 0.68 μH		D807	48T44813F01	MA165TA
•	L607	24T50508F14	IND. 2.2 μ H				·
		ims . 1	L.		0.41-1-		
		s/Thermistors 51T51133F02	Block 100K ohm x4		Switches S801	40T84654F01	SKHHQW (DOWN
•	R5001						
	R5002	51T51133F03	Block 10K ohm x7		S802	40T84654F01	SKHHQW (UP)
	VR101	18T42748F07	SOL V 1K ohm		S803	40T84654F01	SKHHQW (FM)
	VR102	18T42748F17	SOL V 47K ohm		S804	40T84654F01	SKHHQW (AM)
	VR103	18T42748F17	SOL V 47K ohu	•	S805	40T84654F01	SKHHQW (TV)
_	VR104	18T42748F17	SOL V 47K ohm		S805	40T84654F01	SKHHQW (LW)
_	VR201	18T42748F13	SOL V 10K ohm		S805	40T84654F01	SKHHQW (LW)
	VR201	18T42748F13	SOL V 10K Ohm	ě	S806	40T84654F01	SKHHQW (MAIN)
	1				1		
	VR203	18T42748F17	SOL V 47K ohm	•	S807	40T84654F01	SKHHQW (SUB)
	VR204	18T42748F07	SOL V 1K ohm	•	S808	40T84654F01	SKHHQW (MAIN-SUB)
	VR301	18T42748F13	SOL V 10K ohm		S809	40T84654F01	SKHHQW (M7/M9)
	VR302	18T42748F13	SOL V 10K ohm		S810	40T84654F01	SKHHQW (M8/M20)
		18T42748F24	SOL V 680K ohm		S811	40T84654F01	SKHHQW (M9/M21)
	VR401						
	VR402	18T42748F24	SOL V 680K ohm		S812	40T84654F01	SKHHQW (M10/M22)
	VR403	18T42748F17	SOL V 47K ohm		S813	40T84654F01	SKHHQW (M11/M23)
	VR404	18T42748F19	SOL VR 100K ohm		S814	40T84654F01	SKHHQW (M12/M24)
	VR501	18C42061J16	VARIABLE 100K ohm		S815	40T84654F01	SKHHQW (M1~M12/M13 ~M24)
_							
•	VR701	18T42748F11	VOL. 4.7K-B		S816	40T84654F01	SKHHQW (M1/M13)
•	VR702	18T42748F15	SOL V 22K ohm		S817	40T84654F01	SKHHQW (M2/M14)
	TH201	48T57369F13	Thermistor 2.5K ohm		S818	40T84654F01	SKHHQW (M3/M15)
	muraa	400000000000	Therefore 0 5V -1				
	TH301	48T57369F13	Thermistor 2.5K ohm	North America			

Note: ●: For Japanese model only (JA)

[:] For North American model only (UZ)

S	Mebol No.	Part No.	Description		ymbol No.	Part No.	Description
٦	S819	40T84654F01	SKHHQW (M4/M16)		1101		Miscellaneous
ı	S820	40T84654F01	SKHHQW (M5/M17)				MISCELLANGOUS
١	S821	40T84654F01	SKHHQW (M6/M18)	•	E101	09T84167F01	Terminal. Antenna
-	S822	40T84654F01	SKHHQW (MEMORY)	1	E101	09T84167F02	Terminal. Antenna Mult
				*	E101	09T84187F02	Terminal. Antenna Mult
				•	E101	09T84167F02	Terminal, Antenna Mult
				☆	E101	09T84167F02	Terminal. Antenna Mult
		FL	Display P.C. Board				
1.	01				E101	09T84167F02	Terminal, Antenna Mult
-1	C's	EITOICEEDOI	TOO LOOM		F001	65T55050F08	Fuse, MF60NR 1A-125V
	10901	51T84655F01	TC9190N		F001	65T52486F03	Fuse, MF61NM 1A-125V
	1C902	51T84655F01	TC9190N	*	F001	65T42077U13	Fuse, Senko T-500mA
					F001	65T42077U13	Fuse. Semko T-500mA
				<u></u>	F001	65T42077U13	Fuse, Semko T-500mA
D	lodes		7		F001	65T42077U13	Fuse, Semko T-500mA
	D901	48T44813F01	MA165TA		F002	65T52486F01	Fuse. MF61NM 0.5A-125V
	D902	48T44813F01	MA165TA	*	F002	65T42077U10	Fuse, Semko T-250mA
				•	F002	65T42077U10	Fuse, Semko T-250mA
				☆	F002	65T42077U10	Fuse, Semko T-250mA
S	witches			♦	F002	65T42077U10	Fuse. Semko T-250mA
	S901	40T84654F01	SKHHOW (REC. CAL)		FL901	65T84168F01	Meter. FL 10-BT-15GK
	S902	40T84654F01	SKHHQW (PROG)		LD801	48T66616F02	LED. SLR-54VR3 (RED)
	S903	40T84654F01	SKHHQW (IF BAND)		LD802	48T68616F02	LED. SLR-54VR3 (RED)
	S904	40T84654F01	SKHHQW (AUTO SEEK)				
					LD803	48T66616F02	LED. SLR-54VR3 (RED)
					LD804	48T66616F02	LED. SLR-54VR3 (RED)
					LD805	48T66616F02	LED. SLR-54VR3 (RED)
C	apaci to	rs		•	P001	28T66771F01	AC Power Cord
•	C901	08T65480F53	CER. 2200P		P001	28T40916U01	AC Power Cord
•	C901	08T65480F52	CER. 1800P				
	C901	08T65480F53	CER. 2200P	*	P001	28T43812P03	AC Power Cord
*	C901	08T65480F53	CER. 2200P	•	P001	28T43812P04	AC Power Cord
ŵ	C901	08T65480F53	CER. 2200P	☆	P001	28T43812P03	AC Power Cord
					P001	28T43812P04	AC Power Cord
\	C901	08T65480F52	CER. 1800P		S001	40T84672F01	Switch, Push SPUL12 (Power)
	C902	08T65480F62	CER. 0.022 µ F		10		
•	C903	08T65480F53	CER. 2200pF	 	S002	40T80258F03	Switch. Volt Select 2C
•	C903	08S65480F55	CER. 3300P		S002	40T80258F03	Switch. Volt Select 2C
	C903	08T65480F53	CER. 2200P	☆	S002	40T80258F01	Switch, Volt Select 4C
				\Diamond	S002	40T80258F03	Switch. Volt Select 2C
*	C903	08T65480F53	CER. 2200P		T101	25T84662F01	Power Trans
☆	C903	08T65480F53	CER. 2200P				
\Q	C903	08S65480F55	CER. 3300P		T101	25T84662F04	Power Trans
	C904	08T65480F62	CER. 0.022 μ F	*	T101	25T84662F03	Power Trans
•	C910	21C45322G25	CER. 220P	•	T101	25T84662F02	Power Trans
				☆	T101	25T84662F03	Power Trans
				♦	T101	25T84662F02	Power Trans
		FL	Switch P.C. Board				
T	ransisto	ors					
	Q1001	48T81102F01	2SA1015				
	Q1002	48T57337F03	2SD1330				

^{- 53 -}

☆: For General Foreign model only (T-03 EK) ◇: For West Germany model only (T-03L SD) Others: Common

◆ : For West Germany model only (T-117L SD)

★: For General Foreign model only (EK)

Cabinet Assembly Parts List

Note: The parts without part numbers are not supplied.

	bol o.	IN- dex	Part No.	Description		mbol No.	IN- dex	Part No.	Description	
	1	1-D	15D81388F01	Cover. Top		27	4-C	09T58943F09	Holder, Wire 2P	
	1	1-D	15D81388F01	Cover. Top		28	4-B	07A83876F01	Support, FL	
2	1	1-D	15D81388F01	Cover. Top	•	31	5-A	64D83791F01	Panel, Front	
	1	1-D	15D81388F01	Cover, Top		31	5-A	64D83791F02	Panel, Front	1
*	1	1-D	15D81388F02	Cover. Top	*	31	5-A	64D83791F02	Panel. Front	
		1.0	1 E DO 1 9 0 0 DA 9	Course Ton		01	E.,	04000701000	Danal Pages	
>	1	1-D	15D81388F02	Cover, Top		31	5-A	64D83791F03	Panel, Front	
	2		75S72374F66	Cushion, Rubber	☆	31	5-A	64D83791F05	Panel, Front	
- 1	3		03S40036U01	Screw, W/washer (M4x8)		31	5-A	64D83791F04	Panel. Front	
	4		03A82468F01	Screw, Bind (M3x10)		32	2-F	77T84591F01	TV. Tuner TEMN2. (FE601)	
	7		03C42723U01	Screw. Cup (M3x6)		33	2-F	77T84597F01	FM. Tuner TFFG3J115 (FE101)	
•	8		01A80230F01	Assembly. Trannleg						
	8	}	01A80230F01	Assembly, Trannleg		33	2-F	77T84597F03	FM. Tuner TFFG3U114A	
•	8		01A80230F01	Assembly, Trannleg					(FE101)	
*	8		75T57059F01	PAD Trannleg	*	33	2-F	77T84597F03	PM. Tuner TFFG3U114A	
0	8		75T57059F01	PAD Trannleg					(FE101)	
					•	33	2-F	77T84597F02	FM. Tuner TFFG3E127A	
☆	8		75T57059F01	PAD Trannleg					(FE101)	
•	9		75A67064F01	Felt	☆	33	2-F	77T84597F03	FM. Tuner TFFG3U114A	
	9		75A67064F01	Felt					(FE101)	
•	9		75A67064F01	Felt		33	2-F	77T84597F02	FM. Tuner TFFG3E127A	
	10		03S44205G20	Screw, Pan (M4x12)					(FE101)	
	11	5-G	15C83802F01	Cover. Rear		34	2-E	09T51960F01	Holder, Fuse	
	11	5-G	15C83802F05	Cover, Rear		34	2-E	09T51960F01	Holder, Fuse	
-	11	5-G	15C83802F02	Cover. Rear		34	2-E	09T51410F01	Holder, Fuse (Semko)	
	11	5-G	15C83802F03	Cover, Rear		34	2-E	09T51410F01	Holder, Fuse (Semko)	
☆	11	5-G	15C83802F07	Cover, Rear	☆	34	2-E	09T51410F01	Holder, Puse (Semko)	
\	11	5-G	15C83802F06	Cover, Rear		34	2-E	09T51410F01	Holder, Fuse (Semko)	
~	12	"	03S71031F04	Screw, Bind (M3x8)		35	4-H	55T84676F01	Lock, Antenna Holder	
	15		03C42723U02	Screw, Cup (M3x8)		36	3-G	01T84592F02	Assembly, Coax Cable RCA	,
	16 16		03C42723002 03S71031F02	Screw, Bind (M2.6x8)		37	2-F	01T84592F01	Assembly, Coax Cable	
	17		04A53398F01	Washer, Nylon (M2.6)		38	3-F	01T84592F03	Assembly, Coax Cable B.IN	
	18	5-C	01C84828F01	Assembly, Frame Pront		40	4-E	43T93516F01	Spacer P.C. Board	
	18	5-C	01C90593F01	Assembly, Frame Front	*	41	1-D	03D40014G49	Screw, W/washer (M3x8)	
1	18	5-C	01C90593F01	Assembly, Frame Front		41	1-D	03D40014G49	Screw. W/washer (M3x8)	
*			01C90393F01 01C90791F01	Assembly, Frame Front			1-D	03D40014G49	Screw, W/washer (M3x8)	
☆	18 18	5-C 5-C	01C90791F01 01C92804F01	Assembly, Frame Front		41	1-D	03D40014G49	Screw. W/washer (M3x8)	
\rightarrow	18	5-C	01C92203F01	Assembly. Frame Front	*	42	2-C	47C64899F44	Shaft	
•	21	3-A	36B70885F07	Knob. Power	•	42	2-C	47C64899F44	Shaft	
	21	3-A	36B70885F07	Knob. Power	☆	42	2-C	47C64899F44	Shaft	
*	21	3-A	36B70885F07	Knob, Power	♦	42	2-C	47C64899F44	Shaft	
•	21	3-A	36B70885F07	Knob. Power	•	44		14S56709F01	Insulator, Transistor	
☆	21	3-A	36B70885F08	Knob. Power						
\Diamond	21	8-A	36B70885F08	Knob, Power						
-	22		03S44205G40	Screw. Bind (M8x4)		ĺ	Ì			
	23	4-G	43B41825J02	Support Cord						
	24	3-D	29A41814G01	Lug						
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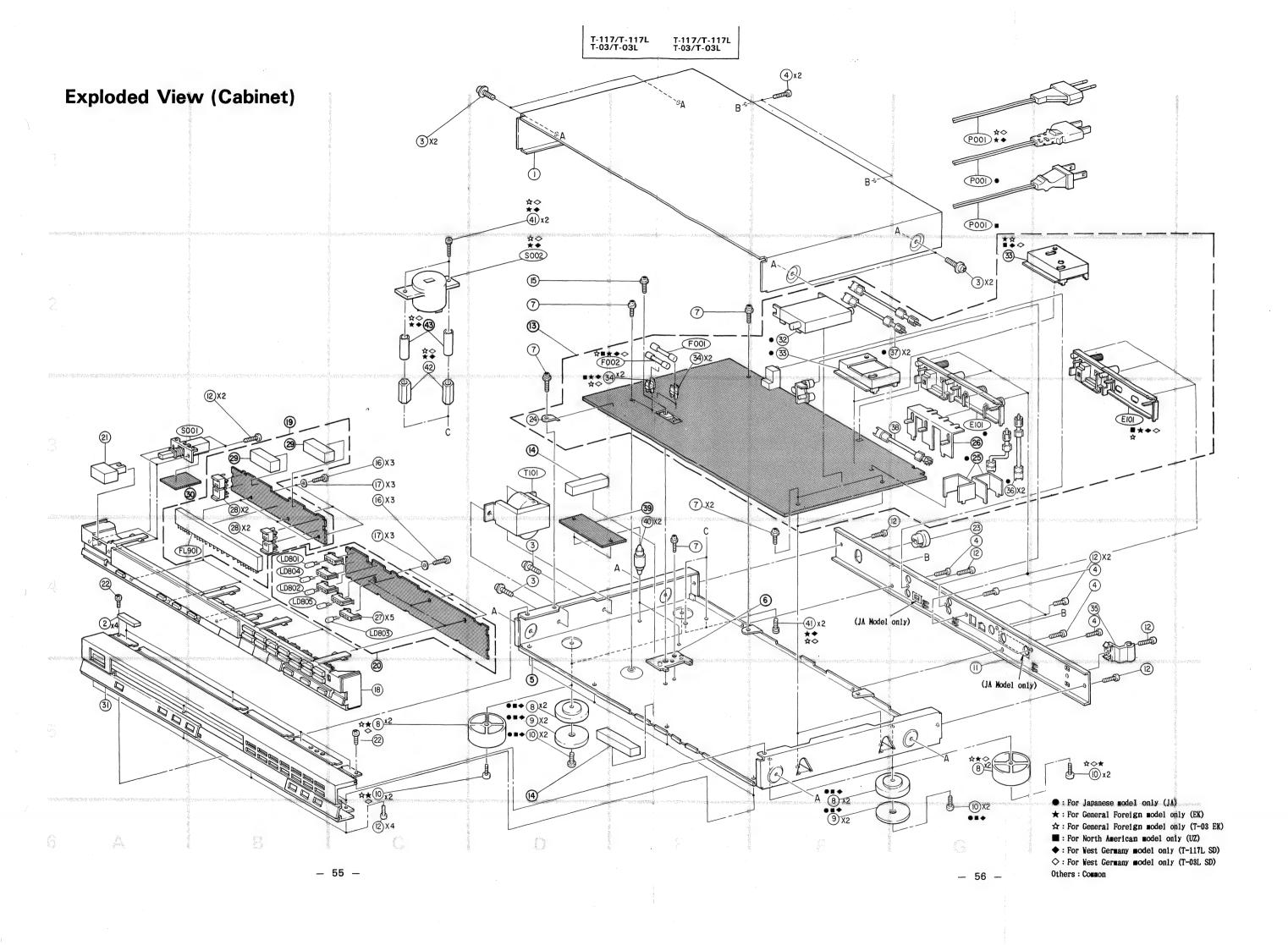
Note: ●: For Japanese model only (JA)

: For North American model only (UZ)

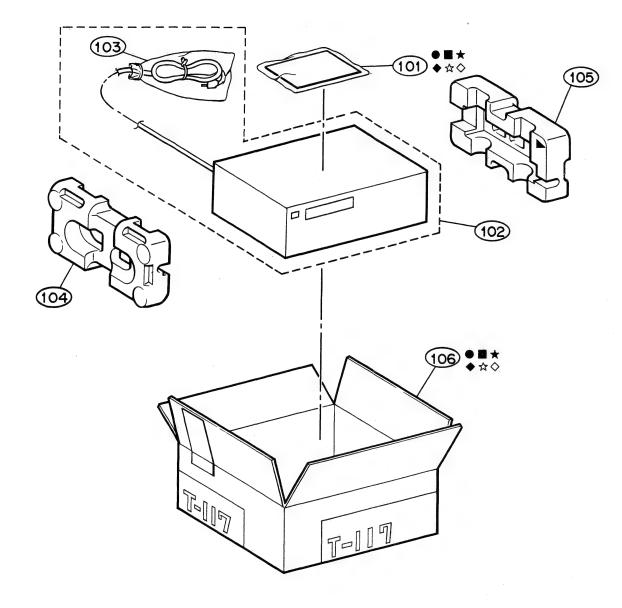
★: For General Foreign model only (EK)

◆: For West Germany model only (T-117L SD)

☆: For General Foreign model only (T-03 EK) ◇: For West Germany model only (T-03L SD) Others: Common



Packing Method View



Packing Assembly Parts List

S	ymbol No.	Part No.	Description		-	S	ymbol No.	Part No.	Description		
•	101-1	68P83132F28	Owner's Manual		-		NO.				
	101-1	68P83132F29	Owner's Manual								
*	101-1	68P83132F30	Owner's Manual	1						i	
•	101-1	68P83132F30	Owner's Manual	- 1						İ	
*	101-1	68P83710F10	Owner's Manual							1	
		00.00,10.20	ounds o minds		1					l	
\Q	101-1	68P83710F10	Owner's Manual								
•	101-2	85T90254F01	Antenna, PM								
	101-2	85T90254F02	Antenna, FM							1	- 1
*	101-2	85T90254F02	Antenna. FM		1						
•	101-2	85T90254F02	Antenna. FM	- 1							
	101 2	00100201102	Intomia, In							1	
☆	101-2	85T90254F02	Antenna. FM		1						1
\Q	101-2	85T90254F02	Antenna. FM		1						
	101-8	85T84674F01	Antenna, AM	- 1	- 1						
	101-4	28T84675F01	Plug, F-Type (FM)							ĺ	- 1
•	101-5	09T71169F01	Plug. TV. Antenna		- 1						1
					- 1						- 1
	101-5	09T71169F01	Plug. TV. Antenna		- 1						
*	101-5	09T71169F01	Plug. TV. Antenna		1						- 1
•	101-5	09T71169F01	Plug. TV. Antenna								- 1
	101-6	28T70621F03	Plug, Output		1						
	101-7	01T82091F01	Assy. Mini Plug Cord								- 1
					1	1 1					
☆	101-8	28T67347F01	Plug Audio Cable		- 1						
0	101-8	28T67847F01	Plug Audio Cable		- 1						1
	102	56B40442T07	Packing, Front Frame		- 1						
	103	56B40230G08	Sack. Polyethylene		- 1						l
	104	56D81391F01	Packing. Tray		1						l
					.						1
	105	56D81391F02	Packing, Tray		- 1						Ì
•	106	56S71001F96	Carton, Packing		- 1	1 1					- 1
	106	56S83833F15	Carton. Packing		- 1						
*	108	56S83833F15	Carton, Packing		- 1						
•	106	56S83833F18	Carton, Packing								- 1
					ı				·		1
☆	106	56S83833F20	Carton, Packing		- 1						1
♦	106	56S83833F19	Carton, Packing	.	- 1						- 1
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Note: ●: For Japanese model only (JA)

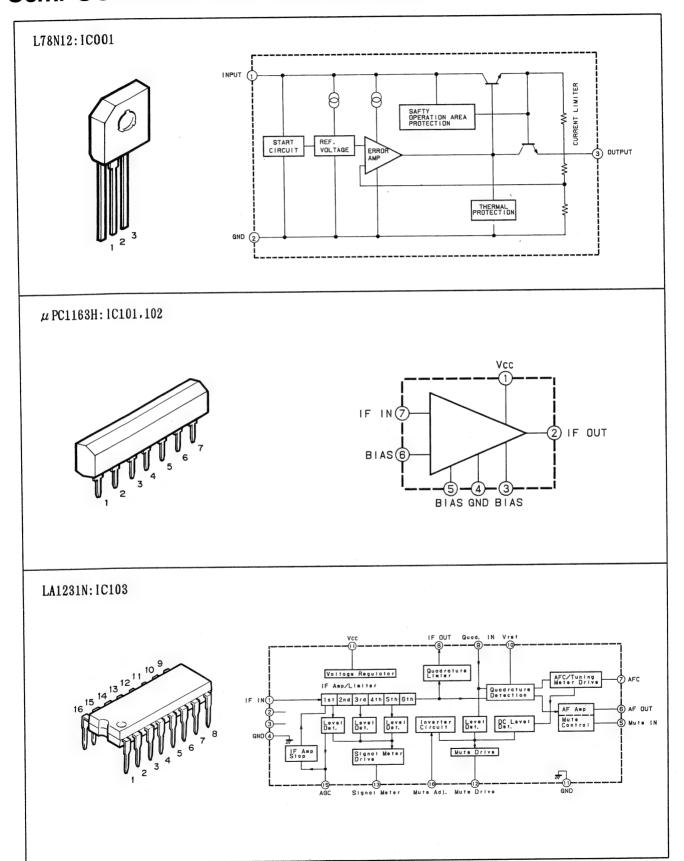
: For North American model only (UZ)

★: For General Foreign model only (EK)

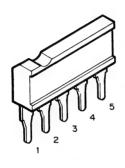
◆: For West Germany model only (T-117L SD)

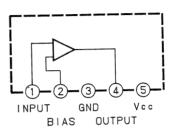
^{☆:} For General Foreign model only (T-03 EK) ◇: For West Germany model only (T-03L SD) Others: Common

Semi-Conductor Lead Identifications

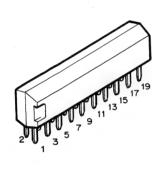


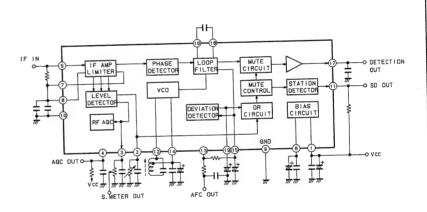
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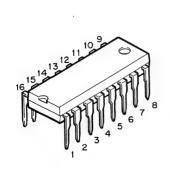


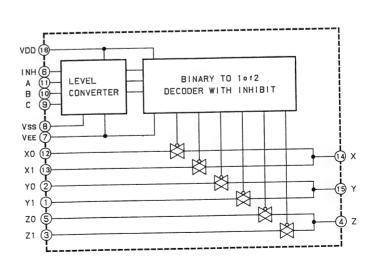
μ PC1211V: IC201



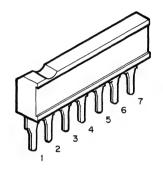


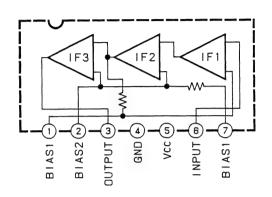
BU4053B: IC202.506



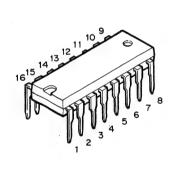


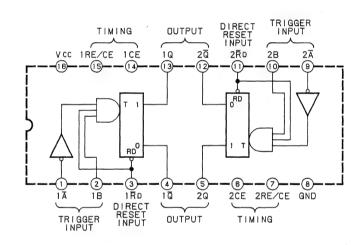
BA402:1C203



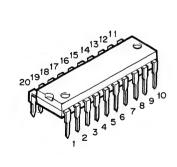


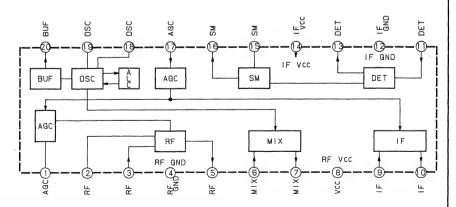
M74LS123P: IC204



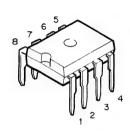


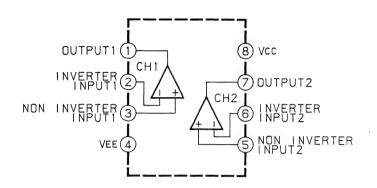
LA1245: IC301



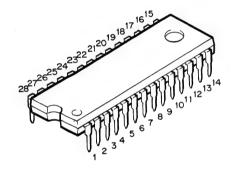


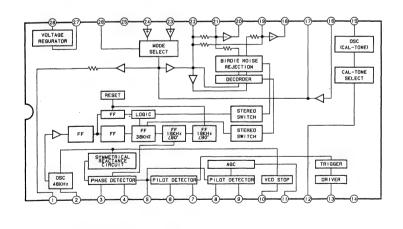
M5238P:IC401,404



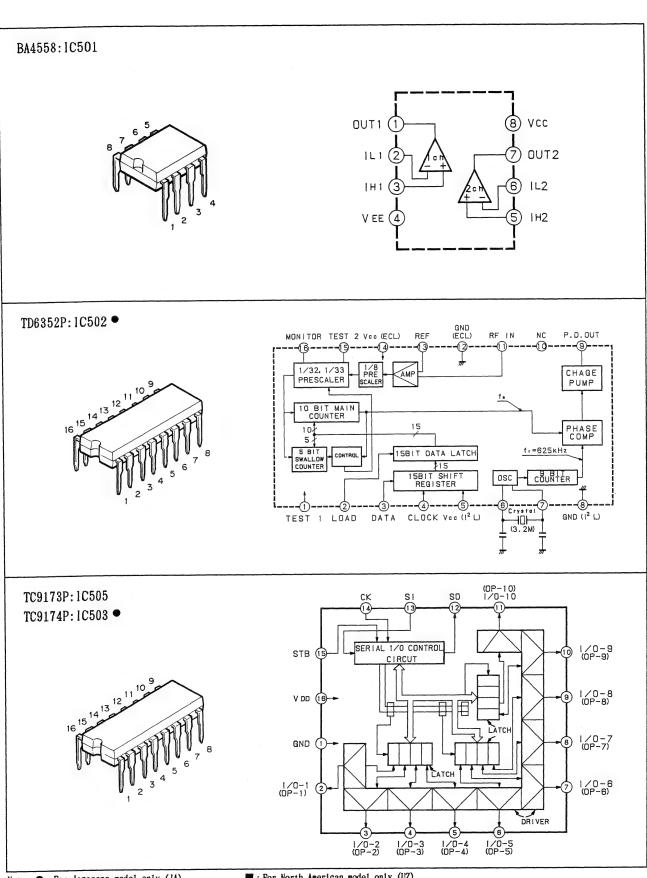


LA3450: IC402





Pin No	DESCRIPTION
1	COMPOSITE AMP OUT
2	OSC
3	LOOP FILTER
4	LOOP FILTER
5	PLL IN
6	PILOT SYNC DETECT FILTER
7	PILOT SYNC DETECT FILTER
8	PILOT SYNC DETECT FILTER
9	PILOT SYNC DETECT FILTER
10	VCO STOP
11	PILOT CANCEL
12	CAL-TONE CONTROL
13	STEREO INDICATOR
14	GND
15	CAL-TONE OSC OUT
16	CAL-TONE IN
17	PILOT CANCEL IN
18	POST AMP OUT
19	POST AMP IN
20	POST AMP OUT
21	POST AMP IN
22	SEPARATION ADJ
23	AM IN
24	FM IN
25	SIGNAL GND
26	AM/FM SELECT
27	V REF
28	POWER SUPPLY



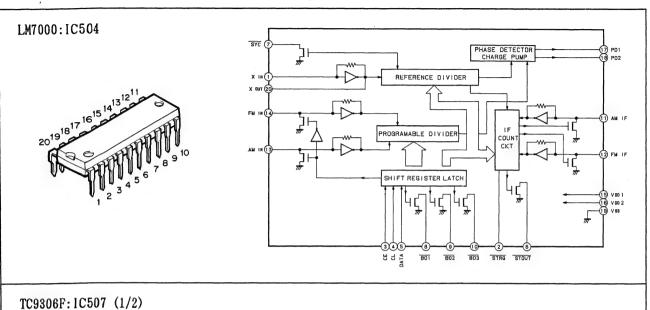
Note: ●: For Japanese model only (JA)

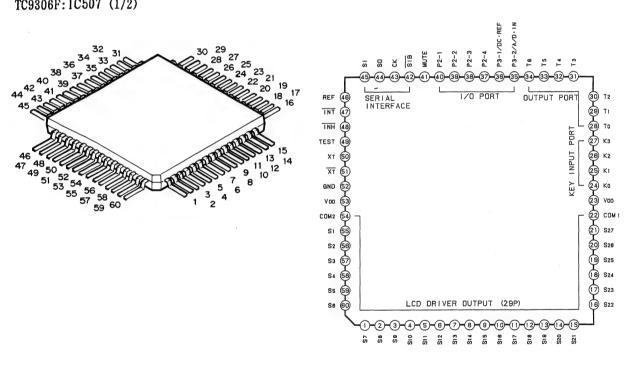
★: For General Foreign model only (EK)

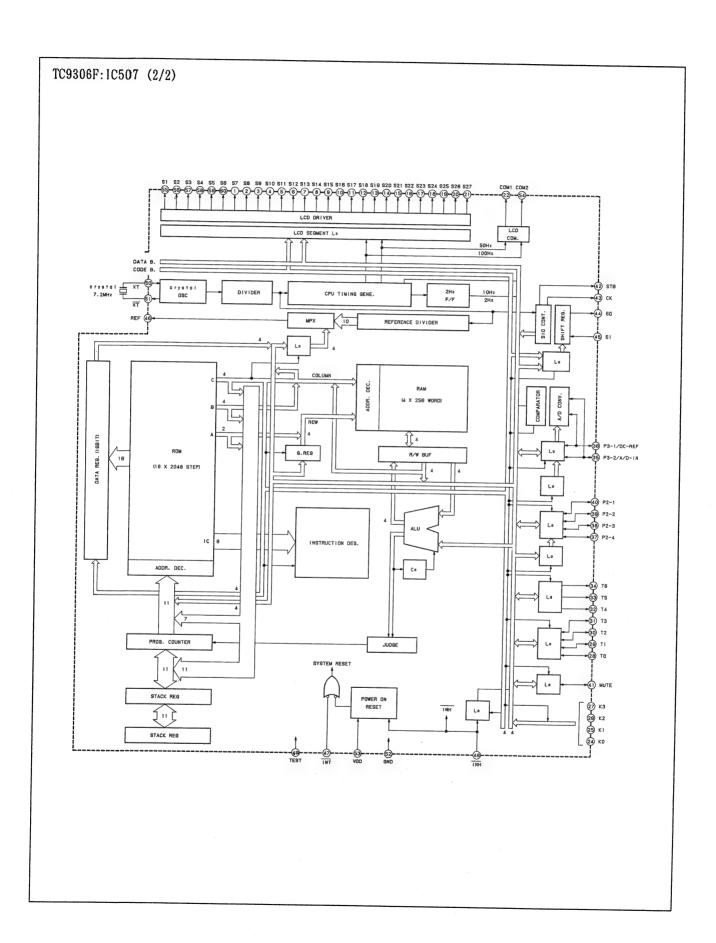
■: For North American model only (UZ)

◆: For West Germany model only (T-117L SD)

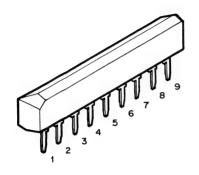
☆: For General Foreign model only (T-03 EK) ◇: For West Germany model only (T-03L SD) Others: Common

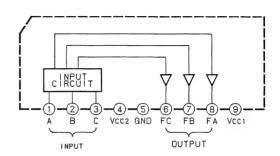




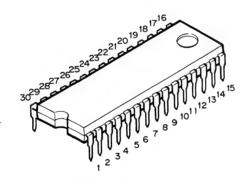


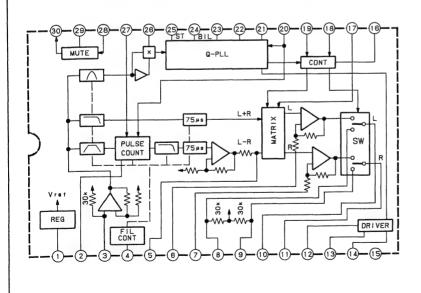
LA7905: IC601





LA3801: IC701 •





Pin No	DESCRIPTION
1	Vcc
2	PULSE COUNT BIAS
3	TV IN
4	FILTER ADJ.
5	SEPALATION ADJ.
6	L CH (MAIN) GAIN
7	R CH (SUB) GAIN
8	FM (L) IN
9	FM (R) IN
10	AM (L) OUT
11	AM (R) OUT
12	ST IND.
13	BIL. (MAIN) IND.
14	BIL.(SUB) IND.
15	GND
16	TV/FM
17	PALARITY
18	BIL. (MAIN)
19	BIL. (SUB)
20	VCO-STOP
21	CERAMIC FILTER
22	PLL LPF
23	PLL LPF
24	BIL.SYNCHRONOUS DETECTION LPF
25	ST SYNCHRONOUS DETECTION LPF
26	AM DETECTION LPF
27	PULSE COUNT LPF
28	MUTE IN
29	Vec ON/OFF MUTE
30	MUTE DRIVE

Note: ●: For Japanese model only (JA)

■: For North American model only (UZ)

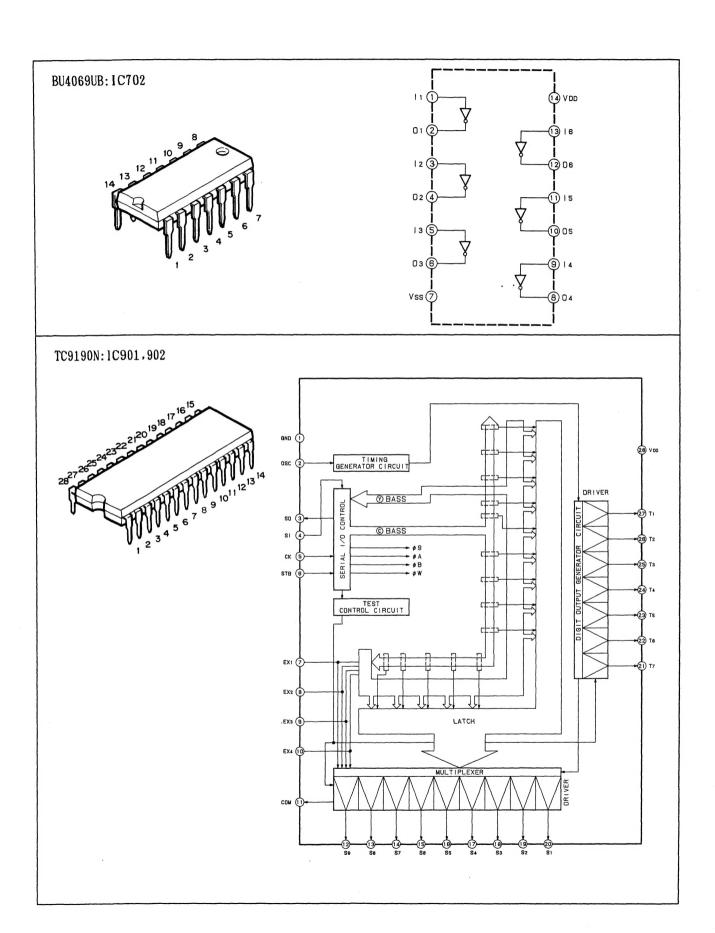
★: For General Foreign model only (EK)

★: For General Foreign model only (EK)

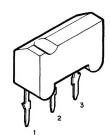
★: For General Foreign model only (T-03 EK)

★: For West Germany model only (T-03L SD)

Others: Common

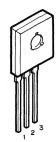


2SD1330:Q1002



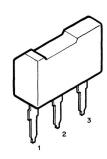
- 1. Emitter
- 2. Collector
- 3. Base

2SD1563:Q001



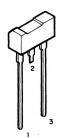
- 1. Emitter
- 2. Collector
- 3. Base

2SD1225M:Q001 ☆★◇◆■



- 1. Emitter
- 2. Collector
- 3. Base

2SA1555AB:Q008.010.011 ◆◇◆ 2SC4032AB:Q006.012.111



- 1. Emitter/GND
- 2. Collector/OUT
- 3. Base/IN

2SA1015:Q1001.505 ●◇◆

2SA1015:¬ Q116.308.404.411.501.503.504.217♦◆ 2SA933A: _Q307\\ \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow \Dightarrow

 $2SC1740: _ Q002.003.004.005.007.009.015.104.105.107.108.109 •.112.115.117.118 •.210.211.212.213. \\$ 2SC1815: Q214.302.305.306.405 .410.412 .502.203 .215 .215 .16 .301 .401 .401 .401

2SC1815:Q119.802

2SC1674:Q206.207.208.303.601 •.602 • > •

2SC1675:Q209,603

2SD1302:Q402.403.409



- 1. Emitter
- 2. Collector
- 3. Base

Note: •: For Japanese model only (JA)

★: For General Foreign model only (EK)

■: For North American model only (UZ)

◆: For West Germany model only (T-117L SD)

☆: For General Foreign model only (T-03 EK) ◇: For West Germany model only (T-03L SD) Others: Common

2SK241:Q205 2SK246:Q113.114.201.202.406 1. Drein 1. Source 2. Gete 2. Source 3. Drein 3. Gete 2SK301:Q407 • . 408 • 1. Drein 2. Gete 3. Source DTA124EL:Q510 ■ 1. Emitter 2. Collector 3. Base

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